Construction News

★Denotes work advertised in ENGINEERING NEWS.
✚Denotes contract awarded. The names of bidders awarded contracts are set in CAPITALS.

AUGUST BUILDING RETURNS

No effect of the war can be seen in the building returns for the month of August collected by this paper. In 19 cities in the eastern part of the United States there was a gain of approximately 15% in the estimated cost of the buildings from plans filed during August of this year compared with August of last year. For the first eight months of the year there was likewise a slight gain. In seven cities in the South there was a falling off of a small amount, both for the month of August and for the year. In the Middle West which, except for July, has showed a steady gain, month by month, there was a sharp falling off, amounting to $1,900,000. This, however, cannot be traceable to the war and is wholly accounted for in the falling off at Cleveland, Ohio. This really was not a falling off, but there were some large operations which appeared in the August, 1913, figures.

Practically all of these buildings for which plans were filed, such as the Public Service Building in Newark, have been planned and financed months ago and the formality of filing the plans only took place in August of this year. There were doubtless many corporations whose resources are ample to permit them to go ahead and build at any time they will take advantage of prevailing low prices.

EASTERN STATES

	August		First eight months of year	
	1914	1913	1914	1913
Albany, N. Y.	$479,685	$577,180	$5,156,150	$2,762,215
Baltimore, Md.	1,784,700	674,887	10,124,487	6,450,380
Bridgeport, Conn.	147,063	409,060	1,802,109	2,064,106
Buffalo, N. Y.	950,000	682,000	8,499,006	8,076,243
Hartford, Conn.	185,990	554,425	2,871,346	3,671,025
Hoboken, N. J.	2,725	144,000	730,727	366,142
Jersey City, N. J.	401,804	213,437	2,819,649	4,197,389
Newark, N. J.	3,196,000	1,814,638	8,440,280	11,345,718
New Haven, Conn.	500,567	258,693	2,906,192	2,719,791
New York, N. Y.				
Manhattan	3,608,950	3,769,400	34,491,040	46,630,035
Bronx	1,206,900	1,021,710	17,282,968	17,537,116
Brooklyn	3,974,000	2,270,375	29,892,850	21,384,686
Queens	903,716	1,099,212	14,043,545	11,599,156
Paterson, N. J.	221,958	49,730	1,300,415	1,060,939
Philadelphia, Penn.	2,642,810	3,718,750	28,410,380	29,504,985
Pittsburgh, Penn.	1,127,069	1,059,662	11,978,217	11,057,806
Reading, Penn.	29,400	107,600	1,043,200	614,700
Rochester, N. Y.	808,457	791,643	6,904,082	6,689,735
Scranton, Penn.	185,388	63,629	937,582	948,947
Springfield, Mass.	489,290	274,495	4,026,189	3,297,153
Syracuse, N. Y.	208,355	267,025	1,980,455	2,624,245
Worcester, Mass.	679,692	241,993	3,798,144	3,356,607
Totals	$23,744,519	$20,063,544	$199,439,280	$197,959,119
	Gain 17%		Gain 1%	

MIDDLE WEST

Akron, Ohio	$555,120	$354,125	$2,910,205	$3,892,305
Chicago, Ill.	5,769,450	5,754,900	58,834,810	60,070,957
Cincinnati, Ohio	1,128,000	504,130	7,172,060	6,047,166
Cleveland, Ohio	2,318,470	4,041,970	19,539,885	16,609,120
Columbus, Ohio	647,325	495,140	4,371,531	3,613,888
Denver, Colo.	150,620	233,810	1,837,423	2,045,655
Des Moines, Iowa	111,150	88,775	1,269,514	1,282,059
Duluth, Minn.	238,023	158,960	2,184,864	3,111,517
Evansville, Ind.	76,495	171,375	1,023,309	1,263,320
Indianapolis, Ind.	472,436	700,768	6,568,841	6,932,241
Kansas City, Kan.	80,863	133,753	859,988	875,271
Milwaukee, Wis.	626,681	1,163,013	7,025,347	9,180,072
Minneapolis, Minn.	943,975	1,211,230	12,043,665	8,197,700
Omaha, Neb.	521,065	536,515	3,790,363	2,984,063
St. Louis, Mo.	797,165	1,082,947	9,903,076	11,495,254
St. Paul, Minn.	646,921	775,146	9,618,709	6,373,195
Salt Lake City, Utah	480,045	129,975	2,115,109	1,429,453
Toledo, Ohio	490,047	357,830	4,903,264	3,862,762
Totals	16,053,911	17,894,362	149,517,163	149,165,998
	Loss 10%		Gain trifling	

SOUTHERN STATES

Atlanta, Ga.	$372,033	$348,256	$3,867,732	$3,892,356
Birmingham, Ala.	314,549	333,385	2,665,545	5,008,037
Chattanooga, Tenn.	128,810	125,435	879,620	810,000
Louisville, Ky.	426,860	445,210	3,467,105	3,081,700
Memphis, Tenn.	175,661	321,116	2,523,549	3,182,406
Richmond, Va.	183,410	231,635	2,745,280	2,447,740
Washington, D. C.	491,576	627,472	7,312,278	6,827,705
Totals	$2,093,899	$2,432,509	$23,461,109	$25,249,944
	Loss 14%		Loss 7%	

RAILWAYS

✚**Pennsylvania**—Central R R. of New Jersey—A contract has been awarded by this company to the CHARLES McDERMOTT ESTATE, Pennsylvania Bldg., Philadelphia, Penn., for the construction of a branch line from Hope Station, about five miles west of Easton, Penn., to Wilson Township, Penn.

Virginia—See item under Tennessee.

Florida—Seaboard Air Line Ry.—This company contemplates the construction of a spur from Broward, Fla., to the property of the Carpenter-O'Brien Co. W. D. Faucette, Norfolk, Va., is Ch. Engr.

Mississippi—See item under Tennessee.

Tennessee—F. B. Shirley, Nashville, Tenn., is interested in the construction of a railroad to connect Nashville, Tenn., Norton, Va., and Holly Springs, Miss.

Indiana—Cincinnati, Indiana & Louisville Ry.—Surveys have been started by this company for the construction of a railroad from Aurora, Ind., to Lamb, Ind., about 50 miles.

✚**Illinois**—Elgin, Joliet & Eastern R.R.—This company has awarded a contract to OLIVER & COSTELLO BROS., for about 50,000 cu.yd. of grading on its line through Georgetown, Ill.

✚**Oklahoma**—Beaver, Meade & Englewood R.R.—The contract for laying tracks on the main line of this company, from Beaver, Okla., to Forgan, Okla., has been awarded to JOHN L. LOVE, Oskaloosa, Iowa.

Oklahoma—Rosston, Grand Rapids & Protection R.R.—This company has been organized to construct a 12-mile railroad from a point on the Wichita Falls & Northwestern Ry. to Doby Springs, Okla. L. A. Walton is Pres. and Gen. Mgr. and J. H. Butler is Secy.

Idaho—Marble Creek Valley Ry.—This company has been incorporated to construct a railroad from Clarkia, Idaho, to Poncono, Idaho, about 20 miles, and a line from the mouth of Buzwell Creek to a point on the Little North Fork of Clearwater River, about 25 miles. The incorporators are F. Horrick, E. B. Flagg and A. V. Barrick, all of Wallace, Idaho.

California—Minkler Southern Ry.—This company has been incorporated to construct a railroad from Minkler, Calif., to Exeter and Lindsay, Calif. The incorporators are A. G. Weld, L. J. Hibbard, J. J. Burne, E. W. Champ and H. Hotterhoff, all of Santa Fé, N. M.

ELECTRIC RAILWAYS

Holyoke, Mass.—The Board of Aldermen has granted a franchise to the Holyoke Street Ry. Co. to double-track and extend its line in Aldenville. Louis D. Pellissier, Holyoke, is Vice-Pres., Gen. Mgr. and Pur. Agt.

Longport, N. J.—William F. Wahl, Atlantic City, is interested in the construction of an electric railway to connect Longport, Margate, Ventnor Heights with a point of the main line of the Pennsylvania R.R. on the meadows.

Riverside, N. J.—The citizens of Riverside, Riverview and Muhlenberg Park are contemplating the construction of an electric railway to connect Riverside and Tuckerton.

Lynchburg, Va.—Preliminary arrangements are being made by the Lynchburg Traction & Light Co. for the extension of its College Hill line, along Fort Ave. J. W. Hancock, Lynchburg, is Gen. Mgr. and Pur. Agt.

Nashville, Tenn.—The City Commission has granted permission to the Nashville Ry. & Light Co. to double-track its line on West End Ave. from 21st St. to the city limits. F. W. Hoover, Nashville, is Vice-Pres. and Gen. Mgr.

Liberty, Ind.—The Commercial Club is interested in the construction of an electric railway from Richmond, Ind., to Hamilton, Ohio.

Kansas City, Mo.—The Kansas City Ry. & Light Co. contemplates the reconstruction of several of its lines in Kansas City. Frank Hagerman, Kansas City, is Vice-Pres.

Fort Worth, Tex.—The Northern Texas Traction Co. has been petitioned to extend its line through Niles City to Diamond Hill. The company will also build a one-mile extension to its Summit Ave. line in Fort Worth. George S. Clifford, Fort Worth, is Vice-Pres. and Mgr.

Phoenix, Ariz.—Plans are being considered by the Phoenix Ry. Co. for the extension of its Brill line. Samuel H. Mitchell, Phoenix, is Gen. Mgr. and Pur. Agt.

Falls City, Ore.—The Teal Creek Ry. Co. has been incorporated to construct and operate an electric railway from Falls City to a point in Polk County. The incorporators are Zera Snow, F. J. Cobbs and Wallace McCamant.

Pasadena, Calif.—The Pacific Electric Ry. Co. contemplates the construction of a second track on its line along North Lake Ave. J. McMillan, Los Angeles, is Gen. Mgr.

✚**San Francisco, Calif.**—The Board of Public Works has awarded a contract to EATON & SMITH, San Francisco, at $9779, for constructing the municipal electric railway through the Stockton St. tunnel.

The Board of Supervisors is considering a petition received from the North Beach Promotion Association, asking for the extension of the municipal electric railway to the Embarcadero.

Bridgeburg, Ont.—Surveys have been completed for the construction of the proposed hydro-radial railway from Bridgeburg to Dunnville, about 39 miles, and a branch line from Port Colborne to Welland, about eight miles.

Victoria, B. C.—The British Columbia Electric Ry. Co. is preparing plans for duble-tracking its line on Esquimalt Road from Dundas to Catherine St. A. T. Goward, Victoria, is Local Mgr.

LIGHT, HEAT AND POWER

Mount Vernon, Maine—The local electric light plant was recently burned, at a loss of about $10,000. R. H. Jacobs is owner.

Waterville, Maine—The Central Maine Power Co., Waterville, plans to build a new fireproof station to replace the one recently burned. It will be chiefly used as a substation to distribute electricity for the Waterville district and the system of the Waterville, Fairfield & Oakland Ry. F. H. Mason is Ch. Engr.

★**Ithaca, N. Y.**—(Official)—Bids will be received until 2 p.m., Sept. 28, by E. L. Williams, Cornell University, Ithaca, N. Y., for the construction, heating and plumbing and electric work for the new drill hall for Cornell University.

Atlantic City, N. J.—The Atlantic City Electric Co. has secured a permit and will soon ask for bids for the construction of a power house to cost about $9000.

✚**Philadelphia, Penn.**—The contract for the construction of the addition to the power house of the Stephen Girard estate, at 20th St. and Oregon Ave., has been awarded to DOAK & CO., Philadelphia. Noted Aug. 6.

Aurelia, Iowa—At a recent election, the citizens voted in favor of a bond issue for the construction of a municipal electric light plant. The estimated cost is $7000. Noted July 23

Des Moines, Iowa—The Des Moines Electric Co. has secured the right-of-way and has been granted permission by the State Railroad Commission to construct a transmission line from Des Moines to Oskaloosa, with a branch to Knoxville. Small towns along the route will be supplied with electricity. The estimated cost of the work is $200,000. Noted June 18.

Sioux City, Iowa—The citizens of South Sioux City recently voted to establish a municipal electric light plant to cost about $10,000.

De Witt, Neb.—The City Council is considering plans for the establishment of a municipal electric light plant at a cost of about $15,000.

Harlem, Mont.—The City Council has granted a franchise to R. J. Moore, Glasgow, Mont., to furnish electric light and power to the city. Construction work will soon be begun on a power plant.

Dallas, Tex.—The Texas Power & Light Co., Dallas, has recently leased the power plant at McKinney, Tex., and plans to build a new hydro-electric station on the Red River. It will build an extensive system of transmission lines. The company has recently contracted with the Texas Traction Co. to furnish power for the operation of the traction company's lines for a term of 30 years.

✚The Board of Education has awarded the contracts for installing heating apparatus in two public schools to KINNISON BROS., Dallas, at $5507, and in two other public schools to HAMILTON & CO., Dallas, at $12,222.

✚✚**Gonzales, Tex.**—The contract for the construction of a reinforced-concrete dam in the Guadalupe River has been awarded to H. C. GASS, Houston, Tex., at about $20,000. It will be about 165 ft. long and 38 ft. wide. Noted Aug. 6.

Carrizozo, N. M.—The Wild Cat Mining Co., White Oaks, N .M., is considering the construction of an electric power plant and the building of a power transmission line to its mines in Nogal Cañon and to Carrizozo. A. B. Graham, J. H. Fulmer, Jr., and W. H. Tupper, all of Mishawaka, Ind., are interested in the company.

Auburn, Wash.—The Auburn Gas Co., J. L. Veach, Mgr., will soon award contracts for the construction of a gas plant to cost approximately $40,000.

Drain, Ore.—The Douglas County Light & Water Co. will extend its power line from Oakland, Ore., to Drain, where a distributing system will be installed.

Tulare, Calif.—The Mount Whitney Power Co. will build a reinforced-concrete substation at once. H. A. Kluegel, Visalia, Calif., is Ch. Engr.

BRIDGES

✚**Boston, Mass.**—The Public Works Department has awarded the contract for repairing the Charlestown Bridge to W. S. KELLIHER at $7339. Other bidders were: W. H. Ellis & Son. Co., $8393, and Lawler Bros., $8620.

It is reported that the Harrison Ave. Bridge will be rebuilt by the city, the Elevated R.R. Co. and the Boston & Albany R.R. L. K. Rourke is Comr. of Pub. Wks.

Haverhill, Mass.—Press reports state that the Board of Commissioners of Essex County is having plans prepared by Robert R. Evans, County Engr., for the construction of a bridge over the Merrimac River to replace the present Haverhill Bridge, which is reported to be unsafe. The new bridge will be of reinforced concrete, and will have a lift span. The estimated cost is $250,000.

✚**Albany, N. Y.**—The State Department of Public Works has received the following bids for the construction of a viaduct to carry the Visschers Ferry Road over the Troy-Schenectady branch of the New York Central & Hudson River R.R.: KEITH C. GUTHRIE, Schenectady, $41,267 (awarded contract); State Highway Construction Co., Boston, Mass., $42,855; Walsh Construction Co., Davenport, Iowa, $43,163; Ford & Green, Schenectady, $43,216; Drake & Deane Co., Inc., Buffalo, $43,529; Lupfer & Remick, Buffalo, $44,215; Frank L. Cohen, Buffalo, $44,643; Whitehead-Kales Iron Works, Detroit, Mich., $45,096; Merrill-Ruckgaber Co., New York, $47,462; Engineer's estimate, $45,995.

Bids for raising the Mechanicsville Bridge were received from: The Horseheads Construction Co., Horseheads, N. Y., $6904; Flood & Van Wirt Co., Hudson Falls, N. Y., $7775; Merrill-Ruckgaber Co., $8970. Duncan W. Peck is Supt. of Pub. Wks.

Allentown, Penn.—(Official)—Bids will be received until 10 a.m., Sept. 28, by the Commissioners of Lehigh County, Harry C. Weinert, Clk., for the following bridge work: Construction of a bridge over Cedar Creek at Dorney's Park, South Whitehall Township; repairing a stone bridge over the Little Lehigh Creek at Salisbury Church, Salisbury Township; repairing a stone bridge over Trout Creek at Mountainville, Salisbury Township; repairs to a stone bridge over Saucon Creek, at Lanark, Upper Saucon Township.

Bloomsburg, Penn.—The Commissioners of Columbia County have awarded the contract for the construction of a concrete bridge over Fishing Creek above Orangeville to JOHN GORREY, at $4580. Noted Aug. 27.

✚✚**Butler, Penn.**—(Official)—The Borough Council has awarded the contract for the superstructure of the Wayne St. Viaduct, not including the lighting system nor the paving of the approaches, to the FORT PITT BRIDGE WORKS, Pittsburgh, Penn., at $107,795. The contract for the substructure, using Raymond concrete piles, and for paving the approaches, was awarded to F. M. HARPER, Younkins Bldg., Butler, at $17,619 and $2151 respectively. The contract for the lighting system was awarded to the BUTLER LIGHT & MOTOR CO., at $945. Noted July 16 and Aug. 6.

Harrisburg, Penn.—(Official)—Bids will be received until 11 a.m., Sept. 23, by Henry W. Gough, Controller of Dauphin County, for rebuilding the following county bridges: Steel plate girder bridge over Swatara Creek between Middletown and Royalton; concrete bridge over Wiconsico Creek near Millersburg, and a concrete bridge over Kieffers Run about two miles east of Millersburg. Plans may be submitted at the same time for a new bridge over Swatara Creek between Middletown and Royalton.

Lewistown, Penn.—(Official)—The design of the proposed bridge to be built by the Borough has not yet been decided upon, and construction work will not be started before spring. Charles C. Brown is Engr. in Charge. Noted Aug. 20.

✚**Scranton, Penn.**—The Director of Public Works has awarded the contract for the construction of the South Washington Ave. Bridge to P. F. McGOWAN & SONS, Avoca, Penn., at $7328 for the substructure, and to the NORTH BRANCH ENGINEERING CO., Pittston, at $8493 for the superstructure. Contracts for the Myrtle St. Bridge were awarded to the BARRETT CONSTRUCTION CO., at $3124 for the substructure and to MATTHIAS STIPP, at $3885 for the superstructure. Noted Aug. 27.

✚**Gainesville, Fla.**—(Official)—The Commissioners of Alachua County have awarded the contract for the construction of Dunegan's Bridge across the Santa Fe River, and for a bridge over the canal between Santa Fe and Lake Alto to the CONVERSE BRIDGE & STEEL CO., Chattanooga, Tenn., at $7020 for the two. Noted Aug. 20.

Cincinnati, Ohio—The Board of Commissioners of Hamilton County has approved plans for the construction of a bridge over Mill Creek at Wayne Ave., to cost about $51,290.

Cleveland, Ohio—Bids will be received until noon, Sept. 24, by the Commissioner of Purchases and Supplies for the construction of the substructure of the Clark Ave. Viaduct from the tracks of the Baltimore & Ohio R.R. Co. to West 11th St. Robert Hoffman is City Engr.

✚**Fostoria, Ohio**—The County Commissioners have awarded the contract for the construction of a bridge at Fostoria to BULGER & ANDERSON, Fostoria, at $4090.

New Philadelphia, Ohio—(Official)—Bids will be received until 1 p.m., Sept. 14, by the Commissioners of Tuscarawas County for creosoted wood block floor, and for painting and repairing the Blicktown River Bridge, Goshen Township. R. H. Nussdorfer is County Audr.

West Bend, Wis.—Bids are being received by Charles Johnson, Highway Comr. of Washington County, for the construction of a reinforced-concrete bridge over the Milwaukee River in the town of Farmington.

Bozeman, Mont.—The Commissioners of Gallatin County are having plans prepared by Fred F. Wilson & Co., Bozeman, for the construction of two bridges, one across Baker Creek, and the other over the Gallatin River near Manhattan.

Townsend, Mont.—(Official)—No bonds have yet been issued by Broadwater County for the construction of a bridge across the Missouri River at Toston, and the bridge will not be built this year. John Hines is Chn. of County Comrs. Noted Aug. 20.

✚**Seattle, Wash.**—The contract for the construction of reinforced-concrete piers for the county bridge over Lake Washington Canal at Montlake Blvd. has been awarded to STILWELL BROS., Seattle, at about $30,000. Noted July 16.

✚**Esparto, Calif.**—The Board of Supervisors of Yolo County, Woodland, has awarded the contract for the construction of a bridge, exclusive of earthwork, across Cache Creek, near Esparto, to the ROSS CONSTRUCTION CO., Sacramento, at $28,760. Noted July 9.

Los Angeles, Calif.—Bids will be received until 10 a.m., Sept. 14, by H. B. Ferris, Secy. Bd. of Pub. Wks., for the construction of a reinforced-concrete bridge, about 130-ft. long and 40 ft. wide over the Arroyo Seco at Ave. Forty-three. Noted Aug. 27.

✚**Merced, Calif.**—(Official)—The Board of Supervisors of Merced County has awarded the contract for the construction of a bridge over the Merced River to MESMER & RICE, Story Bldg., Los Angeles, at $14,700. Other bidders were: C. J. Droesch, Merced, $16,161; Oscar Parlier, Tulare, $18,385; Midland Bridge Co., Kansas City, Mo., $15,579; O. A. Wilson, Crocker Bldg., San Francisco, $17,550. Noted Aug. 6.

Needles, Calif.—(Official)—As soon as the appropriations for the construction of a bridge across the Colorado River at Topoc, Ariz., near Needles, are in the hands of the Department of the Interior, plans will be prepared, and bids called for. The bridge is estimated to cost $75,000, of which the Federal Government, San Bernardino County, Calif., and Mohave County, Ariz., will each contribute $25,000. L. V. Root, Needles, Calif., is interested. Noted Aug. 13.

Victoria, B. C.—It is reported that bids will soon be asked by the City Council for repairs to the Point Ellice Bridge at an estimated cost of $5000.

WATER SUPPLY—IRRIGATION

✚**West Pownal, Maine**—(Official)—Bids were received Sept. 1 by the Maine School for Feeble Minded for constructing a water system as follows: JOHN E. PALMER, Boston, Mass., at $25,800 (awarded contract); James H. Ferguson,

$7,555; Marshall Bros., part, $22,185; John W. Gullivr, $30,-; Snader Construction Co., part, $8488; Forgiona & Romans Co., $29,667; and Noyes-Campbell Co., $28,800. Carl J. Hedin is Supt. Noted Aug. 27.

Clinton, Mass.—Bids are being received for the construction of a concrete dam 250 ft. long and 25 ft. high. Plans are on file with the Water Commissioners.

+Mansfield, Mass.—The contract for constructing a reservoir on Foolish Hill has been awarded by the Water Commissioners to JOHN CASHMAN SONS & CO., Boston, at $19,750. Noted Sept. 3.

Newburyport, Mass.—The Artesian Water Co. contemplates enlarging and improving the water system.

+★Webster, Mass.—Contracts have been awarded to LIGHT, HEAT & POWER CORPORATION, Boston, at $20,424 for constructing a concrete storage reservoir and at $7642 for laying c.i. water pipe. Noted Aug. 6.

+East Providence, R. I.—The contract for building a filter house for the East Providence Water Co. has been awarded to J. W. BISHOP & CO., Custom House St. Noted June 11.

★Amsterdam, N. Y.—Bids will be received by the Commissioner of Public Works, until Sept. 15, for making about 50 wash borings at Glen Wild. James P. Wilson is City Clk.

Newark, N. J.—See item under "Sewers."

Whippany, N. J.—The Normandie Water Co. contemplates extending its mains in Whippany.

Washington, D. C.—(Official)—Bids will be received by the Commissioner of the District of Columbia until 2 p.m., Sept. 15, for furnishing 1000 tons of 8-in. c.i. water pipe. Specifications are on file with the Purchasing Officer, Rm. 320 District Bldg., Washington.

Norfolk, Va.—Press reports state that the Council contemplates spending $390,000 for West Neck Creek water supply.

Huntington, W. Va.—An ordinance has been adopted by the City Commission providing for a bond issue of $500,000, the proceeds to be used for the construction of a water plant. Noted Aug. 6.

Hazlewood, N. C.—The citizens will spend $15,000 for the improvement of the water works and sewer system. J. B. Hoyle is Town Clk.

Louisville, Ga.—Bonds for $12,000 have been voted by the citizens of Louisville for the extension of the water and sewer systems. Noted Aug. 20.

Apopka, Fla.—The Council has been petitioned by M. T. Anderson for a franchise for the construction of a water system and electric light plant.

+Bradentown, Fla.—The contract for constructing a 500,-000-gal. reinforced-concrete reservoir has been awarded by the Department of Public Works to W. P. PERKINS, Tampa, at $10,000. Noted Aug. 20.

Fort Meade, Fla.—The city will extend the water and sewer system at an estimated cost of $7500. Bonds for this purpose have been voted. M. A. Wilson is Mayor. Noted Aug. 6.

Homestead, Fla.—The city contemplates spending $50,000 for the construction of water and sewer systems and an electric light plant.

Macclenny, Fla.—The city contemplates installing a water system and electric light plant.

Dickson, Tenn.—At an election held Sept. 2 the citizens voted $5000 in bonds, the proceeds to be used for laying water mains.

Hodgenville, Ky.—Bonds for $14,300 have been voted, the proceeds to be used for the construction of a water system. Noted Aug. 13.

Providence, Ky.—The Providence Water & Utilities Co. has been organized with $100,000 capital by W. E. Hunter and associates. The company will construct a water system. Noted Aug. 6.

McComb, Miss.—Bids will be received by J. Dock Harrell, City Clk., until Sept. 29, for constructing a concrete reservoir. Xavier A. Kramer, Magnolia, is Engr.

+Bucyrus, Ohio—The contract for installing a filtration plant for the city has been awarded to GEORGE B. HICKS, South Charleston, at $20,000.

+Cincinnati, Ohio—The contract has been awarded by the Director of Public Service to AMERICAN STEEL & WIRE CO., Chicago, Ill., at $13,600, for furnishing sulphate of iron for the Water Department for the remainder of the year 1914.

Cleveland, Ohio—Bids will be received by the Commissioner of Purchases and Supplies, until Sept. 23, for furnishing three vertical triple expansion crank and fly wheel pumping engines for the division pumping station.

Coldwater, Ohio—Bonds for $40,000, the proceeds to be used for the installation of a water system, have been voted by the citizens.

Ironton, Ohio—Plans for a water system have been approved by the State Board of Health. J. F. Witmer Co., Buffalo, N. Y. is Engr. Noted July 30.

Sebring, Ohio—The City Water Works Co., Pittsburgh, Penn., has been instructed by the State Board of Health to install a purification plant.

Springfield, Ohio—The city will install a water system in the Ridgewood addition. Charles E. Ashburner is City Mgr.

+Youngstown, Ohio—The contract for installing three engines and pumps at the new municipal pumping station has been awarded to KERR TURBINE CO., Wellsville, N. Y., at $39,975.

Lansing, Mich.—The erection of an auxiliary pumping station for the water system is under consideration by the Water & Light Commission.

Audubon, Iowa—The council contemplates spending $8000 for extending the municipal water system. H. J. Mantz is Mayor.

Storm Lake, Iowa—The citizens contemplate installing a water system. A special election will be held to vote on the proposition.

Columbia Heights, Minn.—Bids will be received by C. R. Holstrom, Recorder until 8 p.m., Sept. 19, for extending the water system.

Cuyuna, Minn.—Bids will be received by G. F. Anderson, Village Clk., until 8 p.m., Sept. 14, for drilling three wells and making connections and for furnishing a 400-gal. electric pump.

+Wilmar, Minn.—The contract for constructing a tank and tower for the water department has been awarded to DES MOINES BRIDGE & IRON CO., at $4475.

Kansas City, Kan.—At an election held Aug. 25 bonds for $200,000 were voted. The proceeds will be used to extend the water system. George Little is City Clk. Noted July 16.

Osawatomie, Kan.—Worley & Black, Consult. Engrs., Kansas City, Mo., have submitted a report showing the needed improvements of the water system, recommending a new plant estimated to cost $15,907, a distributing system, $15,580 and pumps $3900.

Bridgeport, Neb.—Bids will be received by the Board of Village Trustees, until Sept. 28, for furnishing f.o.b. Bridgeport 8000 ft. 4-in. c.i. water pipe, 4500 lb. special fittings, 10 four-in. gate valves, 12 fire hydrants, etc. Noted Aug. 6.

Chadron, Neb.—Bids will be received by G. E. Marriett, City Clk., until 6 p.m., Sept. 18, for constructing a water system.

Peever, S. D.—Bonds for $8000 for the construction of a municipal water system have been voted by the citizens.

Medicine Bow, Wyo.—Bonds have been voted by the citizens, the proceeds to be used for the installation of a water system.

Melstone, Mont.—At an election held recently bonds for $19,000 were voted by the citizens, the proceeds will be used for the installation of a municipal water system. Noted July 16.

Brownsville, Tex.—An election will be held Sept. 10 to vote on the proposition of issuing $30,000 in bonds the proceeds to be used for the installation of a water system.

Cotulla, Tex.—Bonds $14,000 the proceeds of which will be used for the installation of a water system, have been voted. Noted July 23 and Aug. 6.

Robstown, Tex.—The city will construct a water system to cost $19,000. J. D. C. Rylander is City Secy.

Hailey, Idaho—An election will soon be held to vote on the proposition of issuing $35,000 in bonds for the purchase and improvement of the local water system.

Midvale, Idaho—The Phelps Construction Co., Weiser, Idaho, has submitted a proposition to the City Council for the installation of a water system at Midvale.

Pocatello, Idaho—At an election held Aug. 25, bonds for $400,000 were voted. The proceeds will be used for the installation of a municipal water system. Noted Aug. 13.

Lovelocks, Nev.—A water distributing system will be installed by L. H. Taylor.

+Seattle, Wash.—The contract for laying water mains in East Harrison St. has been awarded by the City Council to A. M. FIORITO, at $41,285. Noted Sept. 3.

+Seattle, Wash.—The contract for completing the Cedar River dam to the elevation of 1600 ft. has been awarded by the Board of Public Works to NETTLETON, BRUCE & ESCHBACH, American Bank Bldg., Seattle, at $164,565.

Boston, Ore.—The City Council has sold $48,500 of bonds for the water system. Plans are now being prepared for the installation of the system.

La Grande, Ore.—Plans are being prepared for the construction of a reservoir with a capaciay of 2,250,000 gallons.

+Pasadena, Calif.—The contract for furnishing a steam turbine electrical generating unit has been awarded to ALLIS-CHALMERS CO., Milwaukee, Wis., at $36,675.

Redding, Calif.—The Northern California Irrigation Association has been incorporated with a capital of $10,000 by M. T. Howell, George W. Thompson and others. Surveys are being made for a large irrigation system.

San Francisco, Calif.—Bids will soon be received by the Board of Public Works for aqueduct borings in connection with the Hetch-Hetchy municipal water system.

London, Ont.—H. J. Glaubitz, Engr., water works plant, is in the market for two water wheels, turbine, pumps and motors.

Welland, Ont.—A water pipe line costing $1,000,000 will be constructed according to press reports, by the Dominion Government. The line will carry water from Lake Erie to supply the towns of Welland, Merriton and Thorold, Port Robinson and Allanburg and the city of St. Catharines.

SEWERS

+Boston, Mass.—The contract for constructing sewers in Mt. Hope St., Neponset Ave., Folsom St. and Jewett St., West Roxbury, has been awarded by the Public Works Department to ANTONY CEFALO, at $6345. Other bids were: Martino De Matteo, $6378; William L. Dolan, $6580; F. Drinkwater, $6691; M. De Sisto, $6812; John F. Lynch, $6874; Louis Balboni, $7061; Charles J. Jacobs Co., $7593; Anthony Baruffaldi, $7704; John Guarino, $7768; John H. Broderick, $7990; James Driscoll & Son Co., $8453; McCarthy & Walsh, $8907; James L. Bryne, $9898.

**+The contract for constructing sewers in Barbara, Edgemont and Houston Sts., and outlets in Montview, Roseclif, Kittredge and Whitford Sts., Clarendon and Hillside Aves., West Roxbury, has also been awarded to ANTONY CEFALO,

at $7497. Other bids were: John F. Lynch, $8000; William L. Dolan, $8334; Charles J. Jacobs Co., $8397; M. De Matteo, $8394; M. De Sisto, $8525; James Driscoll & Son Co., $9019; Anthony Baruffaldi, $9452; John Guarino, $9536; Charles R. Gow Co., $10,516; James L. Bryne, $10,663.

The following bids were received for constructing sewers in Milton and Hamilton Sts.: A. Daddario, $12,897; Anthony Baruffaldi, $13,604; West Roxbury Trap Rock Co., $13,980; James J. Conway, $13,981; J. H. Ferguson, $15,181; McCarthy & Walsh, $16,752; Louis Balboni, $17,139. Bids were opened Sept. 4. Noted Aug. 27.

✚Boston, Mass.—The contract for constructing a sewer in Museum Road has been awarded by the Public Works Department to the I. J. O'CONNELL CO., at $5192. Other bids were: A. Defalo, $5773; C. J. Jacobs Co., $5931; J. Guarino, $5998; C. R. Gow Co., $6311; M. de Matteo, $6328; McCarthy & Walsh, $6684; J. McCourt Co., $6784; L. Balboni, $7127; G. J. Regan, $8036. Noted Aug .20.

Boston, Mass.—Bids will be received by the Public Works Department, until Sept. 11, for constructing sewers in four streets in Hyde Park and Dorchester. L. K. Rourke is Comr.

Boston, Mass.—The city will construct sewers and drains in various streets at an estimated cost of $21,149. L. K. Rourke is Comr.

✚The contract for constructing the c.i. outflow sewer on Nut Island and in Boston Harbor has been awarded to W. H. ELLIS & CO., 37 Condor St., Boston, at $37,790. Noted Aug. 13 and Aug. 27

✚Fairhaven, Mass.—The contract for constructing sewers in Main and Sycamore Sts., and at the school, has been awarded to ALBERT B. COOK, New Bedford.

Newburyport, Mass.—The Artesian Water Co. contemplates installing a sewer system at Salisbury Beach.

✚Hartford, Conn.—Contracts for the construction of the Maple Ave. sewer system have been awarded by the Board of Contract and Supply as follows: Sect. D, H. LAMBE, New Haven, at $19,445; Sect. E and F, W. T. RYAN CONSTRUCTION CO., Hartford, at $20,297 and $19,069 respectively. Joseph Buths is Secy. of the Board. Noted Aug. 20 and Sept. 3.

✚Binghamton, N. Y.—Press reports state that the contract for constructing an intercepting ssewer in Conklin Ave. has been awarded by the Board of Contract and Supply to FRANK STENTON, at $9445. Noted Aug. 6.

Camden, N. J.—The City Council has decided to construct sewers in Stevens, Pine, Fourth, Division and Ninth Sts. A. L. Sayers is St. Comr.

Jersey City, N. J.—The City Council contemplates the improvement of the Paterson Ave. outlet sewer. The estimated cost is $5000.

Newark, N. J.—Bids will be received by the Board of Street and Water Commissioners, City Hall, until Sept. 17, for constructing sewers in various streets. Morris R. Sherrerd is Chief Engr.

Newark, N. J.—Bids recently received by the Board of Public Works for constructing sewers in Lindsley and Stuyvesant Aves. have been rejected.

Newark, N. J.—According to press reports, the Passaic Valley Commission has filed plans for a pumping station to be erected on the Newark Meadows. The building will be of brick and steel, 79x256 ft., with a wing, 48x129 ft. The estimated cost is $125,000.

Scranton, Penn.—Bids will be received by J. G. Hayes, Director, Dept. of Pub. Works, until 11 a.m., Sept. 12, for constructing a lateral sewer in 14th Ave.

Tarentum, Penn.—Leo Hudson, City Engr., is preparing plans for a joint sewage disposal plant for Breckenridge and Tarentum.

Richmond, Va.—The Board of Administration will soon call for bids for constructing a sewer system in the Northeastern section of the city. Charles E. Balling is City Engr.

Louisville, Ga.—(Official)—The city has accepted the plans of W. H. Goodlie, Engr., Macon, Ga., for constructing a sewer system and extending the water system. Bids for the work will soon be asked.

Fort Meade, Fla.—The citizens have voted $7500 in bonds for extending the sewer system and water works. M. A. Wilson is Mayor.

✚Miami, Fla.—The city has awarded a contract to the SOUTHERN ASPHALT & CONSTRUCTION CO., Birmingham, Ala., for constructing sewers. B. H. Klyce, 52 Real Estate Bldg., Miami, is Engr. Noted June 25.

Orlando, Fla.—It is reported that the city will spend $60,000 for constructing storm sewers.

Pablo Beach, Fla.—The Town Council contemplates issuing $25,000 in bonds for installing a sewer system.

Tampa, Fla.—The city will construct sewers in the De Soto Point Section.

New Orleans, La.—Bids will be received by the Sewerage and Water Board, City Hall, until Nov. 4, for extending the sewer and water systems. George G. Earl is Supt.

✚Akron, Ohio—The contract for the construction of a sewage-treatment plant has been awarded by the City Council to E. McSHAFFREY & SON, at $412,414. Ira A. Priest is Clk. Noted May 28 and July 23.

✚Gary, Ind.—The contract for constructing Local Sewer No. 39 has been awarded by the Board of Public Works to M. W. HOLBEN, at $6163. Noted Aug. 27.

✚Greencastle, Ind.—Press reports state the contract for constructing the sewer system has been awarded to the FOULKES CONTRACTING CO., Terre Haute, at $57,757.

✚Ironwood, Mich.—It is reported that the contract for constructing about 4000 ft. of sewer and a septic tank at Jessieville has been awarded to MEGAN & ROSS, at $11,927, with an allowance to be made for rock excavation.

★Downers Grove, Ill.—(Official)—See item under Lemont, Ill.

✚La Salle, Ill.—The contract for constructing an extension to the sewer system has been awarded to T. W. KING & CO., La Salle, at $39,599. Noted Aug. 6.

★Lemont, Ill.—(Official)—Bids will be received by John McGillen, Clk. of the Sanitary District of Chicago, until noon, Sept. 24, for the excavation and collateral work on Sect. 1 of the Calumet-Sag channel. For further information, see advertisement under "Contracts to Be Let."

Quincy, Ill.—Press reports state that bids for constructing the sewer in Fifth St. have been rejected by the Board of Local Improvemnts. The work will be readvertised.

Beloit, Wis.—(Official)—Bids will be received by the Board of Public Works, until noon, Sept. 18, for constructing sewers in various streets in Districts B and C. B. E. Wood is City Clk.

✚Farren, Minn.—The contract for constructing an extension to the sewer system and building Imhoff tanks and filter beds has been awarded to the ROBINSON-VAN ALSTINE CO., Grand Forks, N. D., at about $10,000. Noted Aug. 20.

✚Hutchinson, Kan.—The City Commission has awarded the contract to McLEOD & CRANDALL for constructing a lateral sewer, laying curbs on North Washington and West 14th Sts., and gutters on Sherman St.

✚Benson, Neb.—The contract for constructing main sewers and five sewage-disposal plants hass been awarded to ARTHUR A. DOBSON, First National Bank Bldg., Lincoln, at $36,661. Noted Aug. 20.

✚Lidgerwood, N. D.—The contract for constructing a sewer, including septic tank, has been awarded to TANNER BROS., St. Paul, Minn., at $22,275. Other bids were from L. W. Shruth, Fargo, at $23,648, and William Danforth, St. Paul, Minn., at $22,805. Noted Aug. 13.

✚Sheridan, Wyo.—The contract for extending the sewer system has been awarded to A. C. EVANS, Sheridan, at $39,377. The work requires about eight miles of 8- and 10-in. sewers. Noted June 18.

✚Anaconda, Mont.—The contract for constructing a sanitary sewer outlet below the city has been awarded to R. M. BARDSEN & CO., at about $40,000. Noted June 11.

Roundup, Mont.—The city has voted $20,000 in bonds for constructing a sewer system.

Siloam Springs, Ark.—Press reports state that the city will construct a sewer system. J. H. Perry is Mayor. Noted Aug. 6.

Anderson, Tex.—The city has commissioned Browne & Wilder, Engrs., Houston, to prepare plans for a sewer system.

Houston, Tex.—The City Council have approved of the plans for the storm sewer in Orriene Ave. from Harrisburg to German St. The estimated cost is $10,000.

Pocatello, Idaho—Bids will be received by the City Clerk, until Sept. 17, for constructing a storm water trunk sewer. Noted July 2.

Salt Lake City, Utah—Bids will be received by the City Recorder, until Sept. 15, for constructing sewer extensions.

Anacortes, Wash.—The City Council has decided to construct a trunk sewer in T Ave. C. C. Temple is City Clk.

Bandon, Ore.—Plans are being prepared for a sanitary sewer in Wall St.

Portland, Ore.—The lowest bid submitted for constructing an extension to the Holgate St. sewer was that of the Azar Construction Co., at $17,561; vitrified pipe to be used.

Chico, Calif.—Olmstead & Gillelen, Hollingsworth Bldg., have been commissioned to prepare plans for a sewer system.

Los Angeles, Calif.—The lowest bid submitted to the City Council for constructing the sewer in Brent St. was that of J. C. Wukojevich, at $34,800.

✚San Benito, Calif.—The contract for installing the sewer system in the northern section of the city has been awarded to L. T. McFADDEN, at $11,595.

Berlin, Ont.—S. Shupe, City Engr., is preparing plans for a sewage filtration plant for the city.

GARBAGE

Manchester, N. H.—The city is considering an issue of $100,000 in bonds for the construction of a garbage crematory.

Amsterdam, N. Y.—Bids will be received, until Sept. 16, by the Board of Health for constructing a garbage incinerator.

✚New York, N. Y.—Contracts have been awarded as follows by J. T. Fetherston, Comr. Street Cleaning, for removing snow and ice during the winter season of 1914-15 in the boroughs of Manhattan, Brooklyn and the Bronx:

Borough of Manhattan—SNOW CONTRACTING CO., 1 Madison Ave., New York.

Borough of Brooklyn, First District—NORTON & GORMAN CONTRACTING CO., 303 Douglas St., Brooklyn; second district, ROSENTHAL ENGINEERING CONTRACTING CO., 165 Hooper St., Brooklyn; third district, T. C. CALLENDRIELLO, 408 Malbone St., Brooklyn; fourth district, BROOKLYN ALCATRAZ ASPHALT CO., 407 Hamilton Ave., Brooklyn.

Borough of the Bronx—COUNTY CONTRACTING CO., 3208 Third Ave., The Bronx. Bids were opened Aug. 21. List of bidders noted Sept. 3.

Philadelphia, Penn.—Bids will be received by the Bureau of Highways, until Oct. 16, for the removal and disposal of garbage during 1915.

Richmond, Ind.—Fred Charles, City Engr., has been authorized by the City Council to prepare plans for the construction of an addition to the garbage crematory.

STREETS AND ROADS

★**Nashua, N. H.**—(Official)—Bids will be received by the Board of Public Works, until 4 p.m., Sept. 14, for the paving of Bridge St. from the junction of Bridge St. and East Hollis St. to Van Buren St.

Boston, Mass.—Bids will be received by the Department of Public Works, until Sept. 14, for constructing sidewalks and pavements in Brighton, Roxbury and Dorchester Districts. L. K. Rourke is Comr.

Pittsfield, Mass.—The City Council has voted to pave West St. The approximate cost is $25,000.

Springfield, Mass.—The Board of Street Supervisors has decided to pave Walnut St. with asphalt on a concrete base. The approximate cost will be $6000.

✚**Hartford, Conn.**—Contracts for state road work, bids for which were received by the State Highway Commissioner, Aug. 18, have been awarded as follows:

Danbury Township—About 2884 lin.ft. amiesite pavement on White St., to CHARLES T. EASTBURN CO., Mt. Vernon, N. Y., for approximately $12,457.

Manchester Township—About 6700 lin.ft. reinforced concrete (washed sand) on Main St., to the A. C. STERNBERG JR. CONSTRUCTION CO., West Hartford, for approximately $14,920.

Old Saybrook Township—About 1755 lin.ft. gravel construction on Dublin Lane, to DONAHUE BROS., Middletown, for about $2800.

Griswold Township—About 5075 lin.ft. reinforced concrete (washed sand) and 17,800 lin.ft. native stone resurfacing on the Voluntown Road, to F. H. GILBERT, Jewett City, for $18,314.

City of Bristol—About 4700 lin.ft. concrete pavement (washed sand) and 6992 lin.ft. gravel construction on the Terryville Road, to CHARLES H. TERRY, Bristol, for $23,247. Noted Aug. 6 and 27.

Bids will be received by the State Highway Commissioner until 2 p.m., Sept. 15, for state road work, as follows:

Harwinton Township—About 4161 lin.ft. native stone macadam construction on the Torrington Road. Estimated quantities, 5470 sq.yd. 7-in. macadam, 1000 sq.yd. 4-in. macadam, 1000 sq.yd. telford, 14,060 lb. steel reinforcement for a 6-ft. span concrete bridge and 220 lin.ft. corrugated iron pipe. Plans on file at Selectmen's office, Town Hall, Harwinton.

Ridgefield Township—About 11,796 lin. ft. native stone macadam or gravel construction on the Norwalk Turnpike. Estimated quantities, 4830 cu.yd. grading, 3115 cu.yd. rock excavation, 18,970 sq.yd. 7-in. macadam, 2000 sq.yd. 4-in. macadam, 20,970 sq.yd. gravel, and 540 lin.ft. corrugated iron pipe. Plans on file at office of George E. Smith, Div. Engr., New Milford.

Berlin Township—About 3580 lin.ft. trap rock macadam construction on the Cromwell Road. Estimated quantities, 5270 sq.yd. 7-in. macadam, 300 sq.yd. 4-in. macadam, 355 ft. corrugated iron pipe. Plans on file at Selectmen's office, Town Hall, Berlin.

Darien Township—About 5000 lin.ft. plain or reinforced-concrete pavement on Mansfield Ave. Estimated quantities, 1728 cu.yd. concrete, 8890 sq.yd. reinforcement, 320 lin.ft. corrugated iron pipe. Plans on file at Selectmen's office, Town Hall, Darien.

Washington Township—About 1500 lin.ft. native stone macadam road, in connection with a 50-ft. span reinforced-concrete bridge over the Shepang River at Woodville. This contract involves heavy work, the estimated quantities being, 4350 cu.yd. earth grading, 200 cu.yd. rock excavation, 250 cu.yd. wet excavation, 12,500 lb. steel reinforcement, 180 cu.yd. first class cement and 390 cu.yd. second class cement.

City of New Britain—About 4550 lin.ft. trap rock macadam or gravel construction on South Stanley St. Estimated quantities, 5490 sq.yd. 7-in. macadam, 2600 sq.yd. 4-in. macadam or 8090 sq.yd. gravel, 150 lin.ft. corrugated iron pipe. Also three sections, about 10,028 lin.ft., plain or reinforced concrete on Stanley St. Estimated quantities, 2842 cu.yd. concrete, in addition to which there will be 970 cu.yd. of concrete on railroad area, and 730 cu.yd. concrete for which the city will pay. Plans on file at office of Board of Public Works, City Hall. William Hall is City Engr.

New Milford Township—About 15,225 lin.ft. of gravel or lime stone road with trap rock or native stone macadam surface on the Danbury Turnpike. Also about 5740 lin.ft. same construction on East St. Estimated quantities, 1010 ft. corrugated iron pipe, 6170 cu.yd. earth grading, 3390 cu.yd. borrowed embankment, 4980 sq.yd. earth grading, 32,580 sq. yd. 7-in. macadam, 3900 sq.yd. 4-in. macadam over telford, 8000 B. F. grillage, 15,120 lb. steel reinforcement.

Norwich Township—About 5050 lin.ft. resurfacing on Norwich Ave. Estimated quantities, 8980 sq.yd. earth grading, 1720 tons trap road and 570 tons screenings in place.

Thompson Township—About 3754 lin.ft. plain or reinforced concrete on the North Grosvenor Dale Road. Estimated quantities, 6675 sq.yd. earth grading, 200 sq.yd. telford, 1298 cu.yd. concrete, 6675 lb. reinforcement.

Naugatuck, Conn.—Bids will be received, until Sept. 15, by George C. Ham, Borough Engr., 98 Church St., for the construction of a 3-in. sheet asphalt pavement on a 6-in. concrete base on Church St., from Maple St. to Rubber Ave. Approximately 4500 sqy.d. will be required.

✚**Albany, N. Y.**—Bids were received, Sept. 1, by the State Highway Commission and contracts were awarded for road improvement as follows:

Road No. 5312-B, Allegheny County, 0.17 mile—Bonney & Hamilton, Rochester, $3616.

Road No. 5179-A, Essex County, 6.77 miles—Boynton & McNally, Keeseville, $34,440.

Road No. 1037-A, Erie County, 0.39 mile—all bids rejected.

Road No. 1201, Nassau County, 0.61 mile—All bids rejected.

Road. No. 5511, Ontario County, 5.87 miles—Gaffey & Byrnes, Syracuse, $75,512.

Road No. 5512—New Jersey State Line-Nyack, Pts. 1 & 3, Rockland County, 3.75 miles—Eggleston & Garthwaite, Yonkers, $60,282.

Road No. 5389, Rockland County, 1.56 mile—Joseph Walker Construction Co., Albany, $29,497.

Road No. 970-A, St. Lawrence County, 3.89 miles—E. T. Eggleston & Co., Yonkers, $19,060.

Road No. 5503, Wayne County, 2.90 miles—W. J. Brennan Construction Co., Geneva, $29,381.

Road No. 5400-A, Wyoming County, 0.48 mile—Thos. F. Shaughnessy, Albany, $7435.

Road No. 976, Wyoming County, 3.52 miles—Thos. F. Shaughnessy, Albany, $23,380.

Contracts were awarded by the State Highway Commission for repair of public highways by State Aid, Sept. 11, as follows:

Repair Contract No. 688, Road No. 5250, Oswego County—R. D. Cooper, Little Falls, $10,179.

Repair Contract No. 651, Road No. 77, Rensselaer County—Murray Construction Co., Troy, $29,394. Noted Aug. 20.

★**Amsterdam, N. Y.**—Bids will be received by the Common Council until 8 p.m., Sept. 15, for paving Shuler, Prospect St. and Locust Ave. with Medina standstone block, and Wall, Grove, Bayard and Schuyler St. with brick. For particulars, see advertisement under "Contracts to Be Let."

New York, N. Y.—(Borough of Queens)—(Official)—Bids will be received by Maurice E. Connolly, Pres. of the Borough of Queens until 11 a.m., Sept. 14, for improving Metropolitan Ave., from Dry Dock Harbor Road to Fulton St.

Niagara Falls, N. Y.—The City Council contemplates paving Whirlpool Ave., from Bath to Chasm Ave. The approximate cost will be $24,275.

✚**Utica, N. Y.**—The contract for paving Dudley Ave. from James to Pleasant St. has been awarded to HARRY W. ROBERTS & CO., at approximately $10,000.

Hackensack, N. J.—Bids were received, Aug. 24, by the Board of Chosen Freeholders for improving the following streets and roads: (a) Terrace Ave., Hackensack, from Essex St. to the Hasbrouck Heights Borough Line, (b) Passaic St., Maywood, from the Hackensack line to the Saddle River Township line,(c) Paramus Road from Arcola to the Franklin Turnpike, (d) Kinderkamack Road from Anderson St., Hackensack, to the Emerson Borough line, (e) Fort Lee Road from Leonia Station to the Edgewater Borough line—Di Napoli Contracting Co., (a) $24,098; George M. Brewster Construction Co., Tenafly, (a) $29,030, (d) $143,411; E. C. Humphrey, (b) $22,093, (c) $80,266, (d) $144,704, (e) $176,745; Uvalde Asphalt Co., New York, (b) $22,246, (c) $80,748; Ernest Abrahams, (e) $175,533. Noted Aug. 6.

✚**Newark, N. J.**—The Board of Works has awarded the following contracts for paving: Shaw Ave., bitulithic, NEWARK PAVING CO., $14,806; Seymour Ave., bitulithic, STANDARD BITULITHIC CO., $7267; Gotthart St., and Berlin St., bitulithic, NORTHERN CONSTRUCTION CO., at $18,201 and $23,709, respectively; East Kinney St., asphalt block, HASTINGS PAVING CO., $6426.

New Brunswick, N. J.—The Board of Chosen Freeholders of Middlesex has authorized the improvement of the Highland Park-Metuchen road.

Plainfield, N. J.—The Common Council has authorized the construction of a concrete road on West Third St., from Plainfield Ave. to Liberty St.

Trenton, N. J.—Preliminary arrangements are being made to start work soon on the construction of the proposed new road from Heightstown to Princeton Junction. Edwin A. Stevens is State Road Comr.

The Board of Chosen Freeholders of Mercer County has authorized the improvement of the Mercerville Road. The Board also plans the rebuilding of the Yardville-Crosswicks Road.

The Board of Chosen Freeholders of Mercer County will macadamize Stuyvesant Ave., from the city limits to Wilburtha. The city officials also plan to macadamize this thoroughfare within the city limits.

Trenton, N. J.—The Board of City Commissioners has authorized the paving of Liberty St., from Chambers to Olden Ave., with macadam.

Dermont (Pittsburgh post office), **Penn.**—Bids will be received by D. C. Dorning, Clk. of the Borough Council, until 8 p.m., Sept. 16, for grading, curbing and paving Dell Ave.

✚**Franklin, Penn.**—A contract for paving has been awarded to E. H. BRUA, Hollidaysburg, at approximately $14,866.

Harrison, Penn.—Bids will be received by J. A. Seal, Township Clk., until 7:30 p.m., Sept. 21, for grading, curbing and paving Kuntz St. with brick.

McKeesport, Penn.—(Official)—Bids will be received by C. E. Soles, City Controller, until 2 p.m., Sept. 14, for improving Sylvan Ave., Queen St., Ash St., and Spring Alley.

✚**Philadelphia, Penn.**—Contracts have been awarded for paving portions of Howard St. to JOHN DEVLIN, JR., 1253 North Hancock St., at $38,410; Grant Ave. to the UNION PAVING CO., 30th and Locust St., at $17,853, and for resurfacing a portion of Southampton Ave. to the UNION PAVING CO., at $11,493.

✚**Steelton, Penn.**—A contract for paving 12,000 sq.yd. with warrenite has been awarded to the STANDARD BITULITHIC CO., New York, N. Y., at $2.10 per sq.yd.

Fairfax, Va.—The County Commissioners contemplate calling an election to vote on the proposition of issuing $80,000 in bonds for improving approximately 30 miles of highway.

Pulaski, Va.—The citizens have voted $80,000 in bonds for street improvements.

Richmond, Va.—Bids will be received by the City Council, until Sept. 15, for grading and paving certain streets. C. E. Bolling is City Engr.

✚**Wheeling, W. Va.**—A contract for macadamizing 23,000 yd. of roadway on Cherry Hill, Wheeling and Elm Grove Roads has been awarded to BALL ENGINEERING CO.

Hillsboro, N. C.—Bids will be received by the Orange County Commissioners, until Sept. 14, for grading five miles of road. R. T. Brown is Engr.

Wilmington, N. C.—The City Council contemplates improving Market St. from Tenth to 17th St. with bitulithic. The approximate cost will be $37,000.

Columbia, S. C.—The City Council has passed ordinances for paving certain streets and laying sidewalks.

Arcadia, Fla.—The citizens of De Soto County contemplate voting on the proposition of issuing $210,000 in bonds to construct roads.

Fort Meade, Fla.—The city voted $25,000 in bonds for street improvements. Noted Aug. 6.

✚Miami, Fla.—A contract for laying 32,000 sq.yd. of asphalt has been awarded to the SOUTHERN ASPHALT & CONSTRUCTION CO., Birmingham, Ala. Noted Aug. 6.

Pensacola, Fla.—The Board of Commissioners passed an ordinance to pave Main St., from Palafox to Jefferson St., with wooden blocks.

✚Birmingham, Ala.—Contracts have been awarded to the SOUTHERN BITULITHIC CO., Birmingham, at $6174 and $15,450 for paving North 34th and North 25th Sts., respectively.

Gadsden, Ala.—The Etowah County Commissioners contemplate calling an election to vote on the proposition of issuing $300,000 in bonds for road construction.

Ozark, Ala.—The Dade County Commissioners contemplate constructing a road from Ozark to Troy. This road will be a part of the trunk highway from Dothen to Montgomery.

Gretna, La.—The Police Jury of Jefferson Parish is considering plans for a model road from Jefferson Parish to Belle Chasse, Plaquemine Parish. The road is to be six miles long and is to have a shell metal surfacing. The approximate cost will be $95,000.

✚Dyersburg, Tenn.—A contract for paving a number of streets with asphalt has been awarded to the WEST CONSTRUCTION CO., Chattanooga.

✚Knoxville, Tenn.—The contract for improving the Rutledge Pike has been awarded to J. U. BURKHART, Knoxville, at $6020.

✚Pikeville, Tenn.—A contract for constructing 40 miles of road in Bledsoe County has been awarded to FRUMAN & ROBBINS, Springfield, at approximately $20,000.

Greenup, Ky.—An issue of bonds for $200,000, the proceeds of which will be used for road improvements, is contemplated by the Greenup County Commissioners.

✚Lexington, Ky.—(Official)—A contract for constructing about four miles of streets has been awarded to the CAREY-REED CONSTRUCTION CO., Lexington. Noted Aug. 13.

Louisville, Ky.—The city contemplates spending about $175,000 for street improvements this fall.

Middlesboro, Ky.—The City Council recently passed an ordinance providing for paving Cumberland Ave. from 17th to 26th St. with macadam asphalt.

Cleveland Heights (Warrensville post office) Ohio—(Official)—Bids will be received by H. H. Canfield, Village Clk., until noon, Sept. 21, for the improvement of Lee Road.

✚Columbus, Ohio—The State Highway Department awarded contracts as follows:

Carroll County—Sect. D, Carrollton-Salineville Road, waterbound macadam. E. H. COWAN, Cleveland, $14,900.

Columbiana County—Sect. 3, Unity-Salem Road, brick. THE JONES CONSTRUCTION CO., Mt. Vernon, $75,300.

Columbiana County—Sect. 2, Unity-Salem Road, brick. THE JONES CONSTRUCTION CO., Mt. Vernon, $32,300.

Greene County—Dayton-Chillicothe Road, waterbound macadam. THE WILSON ENGINEERING & CONTRACTING CO., Xenia, $19,998.

Harrison County—Dennison-Cadiz Road, concrete. E. H. COWAN, Cleveland, $24,990.

Highland County—Milford-Hillsboro Road, waterbound macadam. R. H. TERRELL, Highland, $6090.

Highland County—Hillsboro-Piketon Road, waterbound macadam. EDWARD BEAN, Highland, $14,815.

Pike County—Hillsboro-Piketon Road, waterbound macadam. E. H. COWAN, Cleveland, $18,879.

Richland County—Mansfield-Galion Road, waterbound macadam. E. H. COWAN, Cleveland, $20,182.

Franklin County—Columbus-Washington C. H. road, W. V. JEWETT, Worthington, $43,300.

Franklin County—National (East) Road. BARRETT MFG. CO., Cleveland, $38,287.

Franklin County—National (West) Road. G. B. UPHAM, Johnstown, $17,985.

Holmes County—Sect. F, Millersburg-Canal Dover Road. P. M. DEETZ, Millersburg, $7894.

Muskingum County—Zanesville-McConnelsville Rd., brick. PETIT & ABELE, Zanesville, $3050.

Pickaway County—Sect. E, Columbus—Washington C. H. Road, waterbound macadam. BREWER, TOMLINSON & BREWER, Chillicothe, $15,451. Noted Aug. 27.

Bids will be received by John Scott, Clk. of the Bd. of County Comrs., until Sept. 29, for constructing a part of the Worthington and Dublin Road, the Georgeville Road, and East Fifth Ave.

Hamilton, Ohio—(Official)—Bids will be received by the Public Service Department until noon, Sept. 14, for improving a portion of Maple Ave. Joseph A. Fromm is Clk. of the Pub. Ser. Comn.

New Lexington, Ohio—Bids will be received by T. B. Skinner, Village Clk., until Sept. 21, for paving High St. with brick.

Norwalk, Ohio—(Official)—Bids will be received by the Board of County Commissioners, until 10.30 a.m., Sept. 29, for improving the Newman Road.

Port Clinton, Ohio—Bids will be received by William H. Williamson, Village Clk., until Sept. 23, for paving Ferry and Canal Sts.

✚Toledo, Ohio—The contract for paving Palmer St., from Sagrange to Noble, has been awarded to HARRIS & TANSEY, at $9386.

Vernon (Kinsman Post Office), **Ohio**—(Official)—Bids will be received by D. L. Hum, Township Clk., until 1 p.m., Sept. 19, for improving a portion of the Kinsman and Orangeville Road.

✚Zanesville, Ohio—The contract for paving Converse Ave. has been awarded to DUNZWEILER BROS., at $19,450.

✚Evansville, Ind.—The contract for paving Main St. wi brick has been awarded to REICHERT & STINCHFIEL CO., Evansville.

Lafayette, Ind.—(Official)—Bids will be received by t Commissioners of Carroll and Tippecanoe Counties until a.m., Oct. 1, for the construction of a county line road. W. Baxter is Audr. of Tippecanoe County.

★Lamont, Ill.—See item under "Sewers."

✚Anamosa, Iowa—A contract for paving 7000 yd. wi vertical fiber asphalt filler has been awarded to THOMA CARY & SONS, Clinton.

Carroll, Iowa—Bids will be received by the Board of Su pervisors, until Sept. 14, for grading about five miles o country road.

✚Cedar Rapids, Iowa—The contract for paving Third Ave from Fourth St. to Bever Ave. with creosoted blocks has bee awarded to the FORD PAVING CO.

Waterloo, Iowa—Bids will be received by the City Clerk, until Sept. 14, for paving portions of East Tenth and Steely St.

✚St. Paul, Minn.—A contract for paving Case, York and Westminster St. with brick has been awarded to the PURINGTON BRICK CO., Galesburg.

Hutchinson, Kan.—See item under "Sewers."

✚McPherson, Kan.—A contract for paving 10,000 sq.yd. with asphaltic concrete has been awarded to the STANDARD ROOFING CO., Tulsa, Okla.

Marion, Kan.—Bids will be received by the City Council, until Sept. 16, for 2000 sq.yd. of brick pavement and concrete curb and gutter. H. A. Rowland, McPherson, is Engr.

Billings, Mont.—C. E. Durland, City Eng., will receive bids until Sept. 15, for constructing 2700 yd. of concrete alley pavement.

Bozeman, Mont.—Bids will be received by A. M. Brandenburg, City Clk., until 5 p.m., Sept. 17, for paving in District No. 81.

✚Cape Girardeau, Mo.—The contract for paving Benton St., from Bloomfield to Independence St., has been awarded to HARMON LOEFFEL, at $11,037.

✚St. Joseph, Mo.—A contract for grading a section of the Noyes Blvd. has been awarded to OLSEN & CAMPBELL.

El Paso, Tex.—The County Commissioners have voted to construct an asphalt road from Ysleta to Quadrilla, to cost approximately $100,000.

Saratoga, Tex.—The citizens of Saratoga and Bason Districts will hold an election, Sept. 12, to vote on issuing $125,000 in bonds for road improvement.

✚Texarkana, Tex.—The contract for paving Maple and State Sts. with rock asphalt has been awarded to the BURTON HAHN CONSTRUCTION CO., Dallas.

Talihina, Okla.—The citizens have voted $20,000 in bonds for road improvements.

✚Downey, Idaho—A contract for constructing sidewalks has been awarded to WORTHEN BROS., at $8733.

Ogden, Utah—(Official)—Bids will be received by F. O. Stanford, City Recdr., until 10 a.m., Sept. 16, for street improvements in Dist. No. 132.

Anacortes, Wash.—The City Council passed ordinances for paving a part of Commercial St. with concrete.

✚Seattle, Wash.—WENZLER & WARD have been awarded the contract for paving Whatcom Ave.

Spokane, Wash.—The following bids were received for grading, curbing and paving Broadway, from Port to Monroe St.: Spokane Bitumass Paving Co., bitumass on concrete base, $7325; Mitchell Bros., asphalt, $6999; General Contract Co., Hassam concrete paving, $7000; C. M. Payne, wood blocks, $13,250.

✚Yoncalla, Ore.—A contract for paving has been awarded to SCHELL & SCHELL, Grants Pass.

Corona, Calif.—Bids will be received by the City Trustees, until 9 a.m., Sept. 15, for improving Sixth St. between East Grand Blvd. and Yarba St.

✚Covina, Calif.—The contract for improving School, Italia and Cottage St. has been awarded to PEARSON & ANDERSON, Venice, at $11,567.

✚Oroville, Calif.—The Board of Supervisors of Butte County has awarded a contract for the paving of four blocks about thec ourthouse to the CLARK & HENERY CONSTRUCTION CO., Sacramento, Calif., at $7202.

Sacramento, Calif.—(Official)—Bids were received Aug. 24, by the State Highway Commission for constructing roads in the following counties: (a) Santa Barbara County, Sect. A, Division 5, Route 2; (b) San Diego County, Sect. B, Division 7, Route 12; (c) Kern County, Sect. 8, Division 6, Route 4; Arthur S. Bent Construction Co., Los Angeles (a) $61,227; A. Duperrault, Venice (a) $67,706; Rogers Bros. Co., Los Angeles (a) $73,578; Isbell Construction Co., San Diego (b) $12,593; C. L. Hyde Construction Co., San Diego (b) $12,060; Lynn S. Atkinson, Los Angeles (c) $174,474. Noted Aug. 6.

Sacramento, Calif.—Bids will be received by the State Highway Commissioners, 515 Forum Bldg., until 2 p.m., Sept. 21, for the following road construction: Santa Barbara County, from Alcatraz to Las Cruces; Santa Clara County, from Los Gatos to southerly boundary of Santa Clara County; Contra Costa County, from Eckley to Martinez; Glenn County, from Willows to the southerly boundary of Glenn County; Siskiyou County, from Weed to Dunsmuir.

✚Santa Barbara, Calif.—The contract for improving Carillo de la Vina and other streets has been awarded to W. F. HEWITT CO., 1130 West Seventh St., Los Angeles, at $2,490.

South Pasadena, Calif.—Bids will be received by B. V. Garwood, City Clk., until 8 p.m., Sept. 14, for improving Foothill St

Stockton, Calif.—The Board of Supervisors of San Joaquin County has authorized the grading and graveling of a part of Jack Tone Road. The work will cost about $25,000.

+Port Arthur, Ont.—The contract for widening the roadway on May St. has been awarded to the CANADIAN RESOURCES & DEVELOPMENT CO., LTD.

+Sandwich, Ont.—The contract for paving Bedford St. from End St. to the southerly limits of the town has been awarded to the CANADIAN DOLARWAY PAVINC CO., Windsor.

+Kerrisdale, B. C.—The contract for paving approximately five-eighths of a mile on Yew St. has been awarded to LEDINGHAM & COOPER, Vancouver, B. C., at approximately $13,000.

INDUSTRIAL WORKS

Holyoke, Mass.—The Eureka Ruling & Building Co. plans to erect a three-story, 100x115-ft. factory on Water St. Ellsworth & Howes, Holyoke, are the Archs.

+New Bedford, Mass.—The contract for the erection of the addition to the plant of the Taunton-New Bedford Copper Co. has been awarded to the B. F. SMITH CONSTRUCTION CO.

Salem, Mass.—The Marston Brooks Co., shoe manufacturer, whose factory was burned in the recent fire, will remove its plant to Hallowell, Maine.

+Auburn, N. Y.—Nye & Waite, carpet manufacturers, have awarded the contract to WILLIAM MOSLEY for the erection of a two-story addition to their factory.

Buffalo, N. Y.—The Lunan Porcelain Ware Co. has had plans completed for a factory to be erected at Northumberland and Cornwall Ave. It will be 85x100 ft. Colson & Hudson, 35 Dun Bldg., Buffalo, are the Archs.

Lockport, N. Y.—The Covert Motor Vehicle Co. plans to erect an addition to its plant on Lock St. The estimated cost is $50,000.

Seneca Falls, N. Y.—Rumsey & Co., Ltd., manufacturer of pumps and fire engines, will receive bids for the construction of two factories. The estimated cost is $150,000. G. W. Thompson, Syracuse, N. Y., is the Engr.

Camden, N. J.—The Victor Talking Machine Co. has revised the plans for its $300,000 addition. Noted June 25.

The Coosa Portland Cement Co. has increased its capital stock to $3,200,000, to provide for business extensions. John B. Stevenson is Pres.

Madison, N. J.—The Madison Mfg. Co., manufacturer of binders' board, will receive bids for the construction of a factory at Kings Road and Prospect St.

Newark, N. J.—James A. Coe & Co., iron and steel, plans to build a one-story, 50x115-ft. steel building, on Marshall St. Hughes & Backoff are the Archs.

Trenton, N. J.—The Ingersoll-Trenton Watch Co. plans to erect an addition to its plant for the manufacture of watch crystals.

Allentown, Penn.—The Rionor Silk Mill will build an addition to cost $25,000.

Bally, Penn.—The Bally Hosiery Co. has purchased a site and will erect a three-story, 30x100-ft. factory. Edward Grimm is the Pres.

+Philadelphia, Penn.—The Rebman Co. has awarded the contract for the construction of its three-story, 100x150-ft. factory, to the GEORGE KESSLER CO., Philadelphia.

Philadelphia, Penn.—The Fairmount Electric Co. is taking revised bids for the construction of its factory at 59th St. and Woodland Ave. Noted Aug. 6.

The T. A. Harris Co., owner of the Continental Dye Works, has purchased a site and is having plans prepared for a new factory.

+Philadelphia, Penn.—The Berg Co. has awarded the contract for the construction of a two-story, 75x130-ft. factory to ROBERT BEATTY & BRO. CO. The estimated cost is $25,000.

Pittsburgh, Penn.—The Lawson Mfg. Co. plans to erect a three-story brick factory at Lexington and McPherson St. The estimated cost is $60,000.

Washington, D. C.—John Leary is having plans prepared for the erection of a warehouse at South Capitol and I St., S. W. The estimated cost is $18,000. W. S. Plager is the Arch.

+Norfolk, Va.—The Old Dominion Tobacco Co. has awarded the contract for the construction of its factory at Randolph and Main Sts. to BAKER & BRINKLEY. Noted Aug. 27.

Morehead City, N. C.—It is reported that the Mayor & Loomis Co. will build a box factory and sawmill, to cost $100,000.

+Waycross, Ga.—The Atlantic Coast Line has awarded the contract for the construction of an addition to its shops to the HAYWOOD ROYAL ASHBY CONSTRUCTION CO., Rocky Mount, N. C. The estimated cost is $50,000.

Lexington, Ky.—R. L. Farman plans to establish a factory for the manufacture of a patented meat cutter.

Owensboro, Ky.—W. E. Franks and W. O. Haskins plan to establish a plant for the manufacture of motor-driven cultivators.

Toledo, Ohio—The Diamond Vial Co., recently incorporated with $600,000 capital, plans to erect a glass and bottle factory at Summit and Pontiac St., Toledo. P. MacNichol is the Pres.

+Indianapolis, Ind.—The Monon Ry. has awarded the contract for the construction of its roundhouse to HARDING & SLATTRY, Crawfordsville, Ind. The estimated cost is $50,000.

Tell City, Ind.—The Southwestern Furniture Co. is having plans prepared for a four-story factory to be erected adjoining the present plant on Seventh St.

Flint, Mich.—The Buick Enamel Co. plans to erect a two-story, 108x350-ft. plant, estimated to cost $100,000.

Belleville, Ill.—The McKinley Tractor Co., manufacturer of gasoline plows, plans to build a plant in this city.

Chicago, Ill.—The international Harvester Co. plans to build an addition to its plant on West Leavitt St. The estimated cost is $18,000. I. V. Netterstrom is the Arch.

+Chicago, Ill.—The Waterous Acme Co., 4401 South Western Blvd., has awarded the contract for the construction of its factory, to the E. W. SPROUL CO. The estimated cost is $100,000. S. Scott Jay is Arch.

Rockton, Ill.—The Universal Wheel Co. plans to erect a two-story, 60x100-ft. factory on the site of the old New England Hotel. The estimated cost is $11,000.

Delevan, Wis.—The Whitewater Brick & Tile Co. has had plans completed for the erection of a new plant.

Racine, Wis.—The Chicago, Milwaukee & Racine Boat Line plans to erect a warehouse to cost $100,000.

+Davenport, Iowa—The Purity Oats Co. has awarded the contract for the construction of a five-story corn plant and mill, to the McCARTHY IMPROVEMENT CO. The estimated cost is $150,000.

Minneapolis, Minn.—Armour & Co., Fifth St. N, meat packer, plans to erect a three-story, refrigerating plant. The estimated cost is $45,000.

Fort Scott, Kan.—The New England Cereal Co., South Norwalk, Conn., contemplates moving its plant to this city, according to press reports.

East St. Louis, Mo.—The Central Pinch Bar & Awl Co. will erect a factory at Louisiana Boulevard and Jefferson Ave., to cost about $10,000. John J. Sabo is Pres.

St. Louis, Mo.—Joseph T. Ryerson & Son, East Jackson Blvd., Chicago, manufacturer of steel products, will make additions and alterations in the plant, which will cost $30,000.

St. Louis, Mo.—The factory of the Brilliant Sign Co., 420 North Eighth St., recently destroyed by fire with a loss of $20,000, will be rebuilt in the near future.

Dallas, Tex.—D. H. Swartz plans to build a soap factory which will cost $50,000, including equipment.

Houston, Tex.—J. J. Shuler has secured a site at Milby St. and McKinney Ave., and will build a factory for the manufacture of metal beds.

+Albuquerque, N. M.—The Atchison, Topeka & Santa Fe Ry. has awarded the contract for the construction of a roundhouse to HENRY BENNETT & SONS, Topeka, Kan. The estimated cost is $90,000. Noted Sept. 4.

Nampa, Idaho—C. P. Jensma plans to erect a creamery estimated to cost $30,000.

Weiser, Idaho—The Weiser Meat Co. is having plans prepared for the erection of a packing plant. The estimated cost is $20,000.

Seattle, Wash.—The B. F. Sturdevant Co., Chicago, Ill., will build a 100x200-ft. factory. The estimated cost is $100,000.

+The Port Commission has awarded the contract for the construction of a 500,000 bu. capacity grain elevator to the BUTLER CONSTRUCTION CO., Central Bldg., at $181,900. Other bids were: Brayton Engineering Co., Portland, Ore., $193,000; Hans Pederson, Madison Block, $188,000; Sound Construction Co., $189,409. Noted July 30.

Berkeley, Calif.—The San Francisco Sulphur Co., 624 California St., San Francisco, plans to erect a sulphur refining and packing plant on West Seventh St. The estimated cost is $20,000.

Emeryville, Calif.—The Peterson Tallow Co. is having plans prepared for a reduction plant. The estimated cost is $12,500.

Emeryville, Calif.—The Merchants Calculating Co. is having plans prepared for a one-story, reinforced concrete factory. The estimated cost is $50,000. E. R. McManus, Bankers Investment Co. Bldg., San Francisco, is the Arch.

Los Angeles, Calif.—The Pacific Fruit Express Co. plans for the erection of a car repair shop at 1700 San Fernando St. The building will be 100x396 ft. and will cost about $10,000.

Oakland, Calif.—The Shredded Wheat Biscuit Co., Niagara Falls, N. Y., has had plans completed for the plant to be erected in this city. The estimated cost is $150,000. Noted Aug. 27.

Owen Sound, Ont.—E. D. Pitt, Arch., and Major Gillette, Consult. Engr., Philadelphia, Penn., are preparing plans for a drydock and ship building plant to cost $1,500,000.

St. Catharines, Ont.—Kremer & Griffin, Buffalo, N. Y., have secured a site on Carleston St., where a silk factory will be erected.

Dauntless, Alta.—The Dominion Harvester Co. has had plans prepared for a new factory to cost $100,000.

Lynn Creek, B. C.—The Dominion Shipbuilding & Drydock Co., North Vancouver, B. C., has, it is reported, secured a site of 140 acres. It will establish a plant estimated to cost about $5,000,000. Machine shops will be built first.

FEDERAL GOVERNMENT WORK

Partitions, Etc.—New York, N. Y.—The following bids were received on Aug. 28 for partitions, etc., for the U. S. post office, New York, N. Y.: Estey Bros. Co., Brooklyn, N. Y., $3700; F. P. Smith Wire & Iron Works, Chicago, Ill., $5238; Hopkins & Co., New York, 4900; E. H. Titchner & Co., Binghamton, N. Y., $4967; John Williams, Inc., New York, $3700; Keyless Lock Co., Indianapolis, Ind., $7000; Cincinnati Mfg. Co., Cincinnati, Ohio, $7373; Rudolph Gersmann, New York, $3485; Joshua Horrocks, Inc., Brooklyn, N. Y., $3290. Noted Aug. 27.

Paving—New York, N. Y.—Bids were received as follows, Sept. 5, by the Bureau of Yards and Docks, Navy Dept., Washington, D. C., for wood block and granite block paving at the Navy Yard, New York: Item (1), price per sq.yd. of paving for preparing subgrade, laying concrete foundations, cushion and wood block pavement over those areas where foundation is not furnished by the governement; (2) price for similar work, using granite block; (3) same as item (2), using cinder base instead of gravel; (4) price for wood block

over those areas where foundation is provided by the government; (5) price for similar work, using granite block; (6) price per lin.ft., for blue stone headers and foundation; (7) price per lin.ft. for resetting curbing; (8) price per sq.ft. for resetting flagstone sidewalk: Mack Bros. Construction Co., 512 West 53d St., New York, (1) $3.33, (2) $3.45, (3) $3.15, (4) $2.50, (5) $3, (6) 65c., (7) 40c, (8) 5c.; O. P. Allen Construction Co., 140 12th St. N. E., Washington, (1) $4.87, (2) $4.48, (3) $4.42, (4) $3.30, (5) $3.93, (6) $1.25, (7) 8½c., (8) 13c.; Barber Asphalt Paving Co., 233 Broadway, New York, (1) $4.44, (4) $3.66, (6) $1.10, (7) 45c., (8) 7c.; Frank J. Gallegher, 490 Park Place, Brooklyn, N. Y., (2) $3.85, (3) $3.65, (5) $3.65, (7) 75c., (8) 10c.; Franklin Construction Co., 1 Hudson St., New York, (1) $3.17, (2) $3.41, (3) $3.21, (4) $2.17, (5) $2.80, (6) 93c., (7) 35c., (8) 5c.; Asphalt Construction Co., 208 Broadway, New York, (1) $3.59, (2) $3.51, (3) $3.26, (4) $2.64, (5) $2.91, (5) 98c., (7) 40c., (8) 6c.; J. Leopold & Co., 233 Broadway, New York, (1) $3.68, (2) $3.54, (3) $3.34, (4) $2.68, (5) $2.79, (6) 50c., (7) 50c., (8) 10c. Noted Aug. 20.

Storehouses—Philadelphia, Penn.—Bids will be received until 2 p.m., Sept. 21, by the Commanding Officer, Frankford Arsenal, Philadelphia, for the construction of a one-story brick and reinforced-concrete building, 43x120 ft., for a metal storehouse extension, and a one-story brick and reinforced concrete building, about 48x137 ft., for an artillery ammunition storehouse.

★Lock Gates, Etc.—Pittsburgh, Penn.—Bids will be received until noon, Oct. 3, by Lieut.-Col. Francis R. Shunk, Corps Engrs., U. S. A., for steel lock gates, valves and lock-operating machinery at Lock 4, Monongahela River.

Metal Vaults—Washington, D. C.—Bids will be received until 3 p.m., Sept. 30, by Oscar Wenderoth, Superv. Arch., Treasury Dept., Washington, D. C., for metal vault equipment for the stamp vaults, Internal Revenue Commissioner's Office, Auditor's Building, Washington, D. C.

Shipbuilding Cranes—Washington, D. C.—Bids will be received until 11 a.m., Oct. 3, by H. R. Stanford, Chief, Bureau of Yards and Docks, Navy Dept., Washington, D. C., for shipbuilding cranes at the United States navy yards, Boston, Mass., and Philadelphia, Penn.

Officers' Quarters—Fort Monroe, Va.—Bids will be received until 10 a.m., Sept. 21, by the Quartermaster, Fort Monroe, for alterations and additions to the officers' quarters.

✚Sheet Steel Piling—Wilmington, N. C.—The contract for furnishing about 1576 tons of sheet steel piling and accessories, bids received July 10, was awarded to the LACKAWANNA STEEL CO., Lackawanna, N. Y., at $54,075. Noted June 18 and Aug. 13.

Mill Work—Atlanta, Ga.—Bids will be received until 10 a.m., Sept. 29, by F. H. Duehay, Supt. of Prisons, Dept. of Justice, Washington, D. C., for mill work for the hospital building of the U. S. Penitentiary, Atlanta, Ga.

Boiler and Stack—Key West, Fla.—Bids will be received until 11 a.m., Sept. 26, by H. R. Stanford, Chief, Bureau of Yards and Docks, Navy Dept., Washington, D. C., for one 200-hp. water-tube boiler, with setting stack and accessories, at the Naval Station, Key West, Fla.

Officers' Quarters—Key West, Fla.—All bids received Jan. 17, for the construction of officers' quarters at Key West, Fla., have been rejected and the project abandoned. Noted Dec. 25, 1913, and Jan. 29, 1914.

★Cement—Montgomery, Ala.—The following bids were received Aug. 31, for 20,000 bbl. of American portland cement, delivered at Riverside, Ala.: Montgomery Lime & Cement Co., Montgomery, Ala., $1.98 per bbl.; Dixie Portland Cement Co., Chattanooga, Tenn., $1.98; Carolina Portland Cement Co., Birmingham, Ala., $1.49 (recommended for acceptance); Kirkpatrick Sand & Cement Co., Birmingham, Ala., $1.50; Atlas Portland Cement Co., New York, N. Y., $2.50; Southern States Portland Cement Co., Rockmart, Ga., $1.67. Noted Aug. 6.

Public Building—Jellico, Tenn.—Bids will be received until Oct. 14, by Oscar Wenderoth, Superv. Arch., Treasury Dept., Washington, D. C., for the construction (including mechanical equipment) of the U. S. public building at Jellico, Tenn.

Public Building—Shelbyville, Tenn.—Bids will be received until Oct. 13 by Oscar Wenderoth, Superv. Arch., Treasury Dept., Washington, D. C., for the construction (including mechanical equipment) of the U. S. public building at Shelbyville, Tenn.

Post Office—Fulton, Ky.—Bids were received as follows on Sept. 2, by Oscar Wenderoth, Superv. Arch., Treasury Dept., Washington, D. C., for the construction of a post office at Fulton: (a) Limestone; (b) sandstone: James Devault, Canton, Ohio, (a) $40,000; (b) $40,200; Volney E. Taylor, Huntington, W. Va., (a) $41,450; W. H. Fissell Co., New York, N. Y., (a) $42,500; (b) $42,810; J. S. Rogers Co., Moorestown, N. J., (a) $37,500; (b) $37,700; Christ Kanzler & Son, Evansville, Ill., (a) $47,000; (b) $47,500; George W. Stiles Construction Co., Chicago, Ill., (a) $40,300. The building will be two stories and basement, 3800 sq.ft. ground area, nonfireproof construction, stone and brick facing, and composition and slate roof. Noted July 30.

Elevators—Columbus, Ohio—The following bids were received by Oscar Wenderoth, Superv. Arch., Washington, D. C., for installing an electric freight elevator in the post office and court house at Columbus: Ohio Elevator & Machine Co., Columbus, $9265; Kaestner & Hecht Co., Chicago, Ill., $8700; Otis Elevator Co., New York, N. Y., $8390.

Survey Boat—Duluth, Minn.—Bids for the construction of the steel hull survey boat "Gen. C. B. Sears," were received by Maj. E. D. Peek, Corps Engrs., U. S. A., from: Racine Truscott Steel Lake Boat Co., Muskego, Wis., $89,000 at plant, $89,800 delivered at Duluth, with Montague Iron Works engine, $86,300, with Marine Iron Work's engine, $84,900; Spedden Shipbuilding Co., Baltimore, Md., $84,379 at plant. Noted July 23.

✚Post Office—Garden City, Kan.—The contract for the construction of the U. S. post office (limestone), at Garden City, has been awarded to GEORGE A. SHAUL, Seneca, Kan., at $52,531. Noted June 25 and Aug. 6.

Post Office—Winfield, Kan.—Bids were received as follows, on Sept. 3, by Oscar Wenderoth, Superv. Arch., Treasury Dept., Washington, D. C., for the construction of a post office at Winfield, (a) limestone, (b) sandstone: Frank H. Latimer, Kansas City, Mo., (a) $57,709; George W. Stiles Construction Co., Chicago, Ill., (a) $53,000; Hiram Lloyd Building & Construction Co., (a) $54,247, (b) $54,747; Dieter & Wenzel Construction Co., Wichita, Kan., (a) $50,800, (b) $51,200; Billings & Fielding, Guthrie, Okla., (a) $57,854, (b) $57,629; Vandeburg & Pauley, Wichita, Kan., (a) $52,775, (b) $53,000. Building to be a two-story and basement stone, terra cotta and brick faced building of 4400 sq.ft. ground area, fireproof construction except roof; to be composition roof. Noted Aug. 20.

★Canals and Dikes—Malta, Mont.—Bids will be received until 2 p.m., Oct. 13, by the United States Reclamation Service, Malta, Mont, for the construction of the Nelson Reservoir outlet canals, dikes and controlling works. For particulars, see advertisement under "Contracts to Be Let."

Levee Work—St. Louis, Mo.—All bids received Aug. 11, by the Mississippi River Commission, St. Louis, for the construction of about 130,000 cu.yd. of earthwork in the Sny Island Levee Drainage District, Ill., were rejected. Noted July 23.

Levee Work—St. Louis, Mo.—Bids will be received until 11 a.m., Sept. 30, by Maj. Clarke S. Smith, Corps Engrs., U. S. A., 1311 International Life Bldg., St. Louis, for the construction of about 47,500 cu.yd. of earth work in the East Cape Girardeau and Clear Creek Drainage District, Ill.

Painting and Repairs—St. Louis, Mo.—Bids will be received until 3 p.m., Sept. 28, by Oscar Wenderoth, Superv. Arch., Treasury Dept., Washington, D. C., for painting and repairs at the U. S. post office, St. Louis, Mo.

✚Riprap and Sod—Galveston, Tex.—The contract for placing riprap and soil with sod at the Federal Quarantine Station, Galveston, has been awarded to CHARLES CLARKE & CO., Galveston, at $34,242. There were no other bidders. Noted July 23.

✚★Dredging—Port Arkansas, Tex.—The contract for dredging at Port Arkansas, Tex., has been awarded to JOHN JACOBSON, Texas City, Tex., at $8740. The Bowers Southern Dredging Co. bid $9500. Noted July 23.

Elevator—Muskogee, Okla.—Bids will be received until 3 p.m., Sept. 29, by Oscar Wenderoth, Superv. Arch., Treasury Dept., Washington, D. C., for the installation of an electric passenger elevator in the U. S. post office and court house at Muskogee, Okla.

Repairing Light Vessel—San Francisco, Calif.—The following bids were received for docking and repairing Blunt's Reef Light Vessel No. 83: United Engineering Works, San Francisco, $4028; MARE ISLAND NAVY YARD, Mare Island, Calif., $3977 (awarded contract); Moore & Scott Iron Works, San Francisco, $5083; Union Iron Works, San Francisco, $5599; Ker Lloyd Iron Works, San Francisco, $5096.

Miscellaneous Supplies—Panama—Bids will be received until 10:30 a.m., Sept. 14, by Major F. C. Boggs, Gen. Pur. Officer of the Panama Canal, Washington, D. C., for furnishing steel angles, plates, I-beams and channels, cold-rolled steel, tool steel, frogs, point switches, steel rails, track bolts, tie plates, nut locks, bolts, nuts, rivets, boat spikes, washers, reamers, pipe cutters, files, nails, wire rope, chain, locomotive tires, brass nuts and screws, corrugated roofing, bronze, paint brushes, whitewash brushes, water coolers, cardboard, paper, sandpaper, manganese dioxide, potassium chlorate and switch ties.

MISCELLANEOUS

Dredging and Bulkheads—Lynn, Mass.—Bids will be received, until Sept. 15, by the State Board of Harbor and Land Commissioners, Boston, for dredging a channel in the Saugus River, and building timber bulkheads. William Williams is Ch. Engr.

✚Conduit—Webster, Mass.—The contract for constructing the Day Brook conduit has been awarded to the T. F. CULLINAN CO., 48 Custom House St., Providence, R. I., at $15,229. Other bidders were C. A. Leary, Boston, $17,233; M. J. Kane, Worcester, $20,575; Hancock Engineering Co., Boston, $16,274; A. E. Daddines, Boston, $16,210.

Fire Station—East Greenwich, R. I.—Bids were received Aug. 22, for the construction of a fire station as follows: Burrington & Co., $15,150; William Williams, $14,500; Alexander Martin, $11,959; Flynn & Tobin, $16,711; Barrows & Fischer, $14,677; Frederick C. Pierce, $16,875; Carl E. Carlson, $16,823; Alvin S. Person, $13,854; Apponaug Lumber Co., $16,225; F. G. Kingston & Co., $13,866; Soderlund Bros., $14,800; Clinton E. Colburn, $14,900.

Guard Rail—Hartford, Conn.—Bids will be received by the State Highway Commissioner until 2 p.m., Sept. 15, for about 36,308 ft. of standard wood guard rail.

✚Barge Canal Work—Albany, N. Y.—Duncan W. Peck, State Supt. Pub. Wks., has awarded the contract for Barge Canal Contract No. 119, constructing a reinforced concrete highway bridge over the Mohawk River, at Movable Dam No. 5, near Rotterdam, N. Y., to LUPFER & REMICK, Buffalo, at about $45,000. Noted Aug. 6.

★Wash Borings—Amsterdam, N. Y.—Bids will be received until 8 p.m., Sept. 15, by the Common Council, for making 50 or more wash borings at Glen Wild, such borings to be made at such points as designated by the Commissioner of Public Works and such work to be completed on or before Nov. 15, 1914, according to plans and specifications on file in the office of the Commissioner of Public Works. James P. Wilson is City Clk.

River Improvement—Corning, N. Y.—Duncan W. Peck, State Supt. Pub. Wks., Albany, received bids, Sept. 3, for improving the Chemung River at Corning. The lowest bid was submitted by the Eastner Construction Co., Inc, Utica, N. Y., at $23,400.

Dock—Dunkirk, N. Y.—W. H. Shelton, City Engr., has prepared plans for a municipal dock to cost $100,000. The U. S. government has made an appropriation of $99,000 for harbor improvement at Dunkirk contingent on the dock being built.

Plaza Reconstruction—New York. N. Y.—Bids will be received by the Park Board, Municipal Bldg., until 3 p.m., Sept. 10, for the reconstruction of the plaza at Fifth Ave., between 58th and 59th Sts. Cabot Ward is Pres. of the Bd.

Dock—Newark, N. J.—The two lowest bids received Aug. 17 by the Board of Works for the construction of a dock 4500 ft. long, on the Newark Bay front, were from O'Gara & McGuire, Newark, $449,398; and Spearin & Preston, New York, N. Y., $497,906. Noted Aug. 20.

✚**Boiler**—Overbrook, N. J.—The contract has been awarded by the county to DAVID C. SEYMOUR, Newark, N. J., for installing a new boiler and apparatus at the Essex County Hospital, Overbrook, at $13,198.

Tunnel—Pittsburgh, Penn.—Plans are nearing completion for the proposed tunnel to be driven by the county under the Southside Hills. Estimated cost, $2,000,000. Noted Aug. 27.

Improving Grounds—Baltimore, Md.—H. N. Brannan submitted the lowest bid at $11,200 for improving the grounds in front of the Polytechnic Institute, Baltimore.

Fire Apparatus—Huntington, W. Va.—The City Commissioners plans to issue $195,000 in bonds, the proceeds of a part of which will be used to purchase fire apparatus.

Underground Crossing—Huntington, W. Va.—The City Commissioners plan to issue $195,000 in bonds. A part of the proceeds will be used to construct an underground crossing at the Chesapeake & Ohio Ry. tracks.

✚**Terminal**—Savannah, Ga.—According to press reports the Ocean Steamship Co. has awarded a contract to the PHOENIX CONSTRUCTION CO., 41 Park Row, New York, N. Y., for the construction of a terminal at Savannah. Estimated cost $1,000,000.

Fire Boat and Equipment—Jacksonville, Fla.—The Fire Protection Committee has recommended to the City Council the purchase of a fire boat and equipment. Estimated cost, $100,000.

Drainage—Ripley, Miss.—Bids will be received, until Sept. 12, by the Tallahatchie Drainage Commissioners, of Dist. No. 1, care of M. L. Fryer, R. D. No. 1, Ripley, for constructing a drainage canal.

Levee Work—New Orleans, La.—Bids will be received by the Board of Levee Commissioners, Orleans Levee District, until 3 p.m., Sept. 15, for levee work in the Fifth District, Mississippi River. S. St. J. Eshlemann is Pres. Pro. Tem. of the Bd.

✚**Breakwater**—Cleveland, Ohio—The Board of Control has awarded the contract to the AMERICAN CONSTRUCTION CO., Cleveland, for constructing a breakwater around the sewage disposal plant, at $102,950.

Conduits—Cleveland, Ohio—The Cleveland Telephone Co. plans to spend $35,000 for underground conduits.

✚**Shelter House**—Columbus, Ohio—The contract for the construction of a shelter house in Franklin Park has been awarded to ADAM PITTS at $22,505.

Police Signal System—Mansfield, Ohio—Bids will be received by C. H. Hughes, Dir. Pub. Ser., until Sept. 23, for installing a police signal system in Mansfield.

Dredging—Toledo, Ohio—The Commercial Club has petitioned the Board of Public Service to expend about $10,000 for dredging Bay View Park lagoon.

✚**Head-house**—Chicago, Ill.—The Harbor and Subway Commission has awarded the contract to the CHANEY-ARCHIBALD CO., Chicago, Ill., for the construction of a head-house on Pier 2, Harbor District No. 1, at $121,757.

★**Channel Work**—Chicago, Ill.—(Official)—Bids will be received by the Sanitary District of Chicago, until Sept. 24, for excavation and collateral work on Sect. 1, Calumet Sag Channel.

Dam—Galesburg, Ill.—All bids recently received by the City Council for the construction of a dam in the new city park, have been rejected as they exceeded the appropriated amount. Estimated cost, $13,000.

Drain—Algona, Iowa—Bids will be received until 2 p.m., Sept. 30, by D. E. Norton, County Audr., Algona, for constructing Drain 99.

✚**Dam and Bridge**—Charles City, Iowa—The Commissioners of Floyd County, Charles City, it is reported, have awarded the contract to the GOULD CONSTRUCTION CO., Davenport, Iowa, for constructing a dam and concrete bridge across Shell Rock River at Marble Rock, Iowa, at about $35,000. Noted Aug. 20 under Bridges.

Ditch—Knoxville, Iowa—(Official)—Bids will be received by J. D. Schlotterback, Audr., Marion County, until 1:30 p.m., Oct. 5, for the construction of the Skunk River Ditch No. 2.

Ditches—Storm Lake, Iowa—Bids will be received until Sept. 15, by W. W. Bennett, County Audr., Storm Lake, for constructing three ditches.

Drain—Washington, Iowa—Bids will be received until noon, Sept. 14, by H. W. Benn, County Audr., Washington, for constructing Drain No. 5.

✚**Ditch**—Grand Rapids, Minn.—The contract has been awarded to D. A. FOLEY for constructing Ditch No. 28, at $108,706.

✚**Ditch**—Roseau, Minn.—The county has awarded the contract to the KOHLER CONSTRUCTION CO., Frazee, Minn., for constructing Ditch 18, at about $23,000.

Park Improvements—Aberdeen, S. D.—The Park Board has asked the City Commission to appropriate $14,000 for the improvement of the city parks.

Ditches—Beaumont, Tex.—Bids will be received until noon, Sept. 21, by the Commissioners of Drainage District No. 4, at the office of J. D. Wilkerson, Weiss Bldg., Beaumont, for constructing four ditches, calling for 628,000 cu.yd. of excavation.

Drainage Work—Beaumont, Tex.—The Attorney General, Austin, Tex., has approved a bond issue of $78,500 for drainage work in Jefferson County Drainage Dist. No. 4.

Drainage Improvements—Clodine, Tex.—Bids will be received by B. A. Everets, Chn. Drainage Comrs., until 10 a.m., Sept. 12, for drainage improvements in the Fort Bend County Drainage District No. 1. Clifton Race, Richmond, Tex., is Engr.

Levee—Eagle Lake, Tex.—Plans have been completed by J. C. Nagel and G. R. Abney, Engrs., both of Eagle Lake, for levee work to cost $67,000.

Jetty—Chehalis, Wash.—The County Commissioners, Chehalis, are considering the construction of a jetty to change the channel of the Cowlitz River.

✚**Wharf**—Seattle, Wash.—The Port of Seattle Commissioner has awarded the contract to the BUTLER CONSTRUCTION CO., Central Bldg., Seattle, for constructing a wharf on the turning basin of East Waterway, at $67,971.

Foundations—Portland, Ore.—The Portland Bridge & Bldg. Co. submitted the lowest bid to the city for the foundations for a warehouse and dock, at $40,000.

Improving Playgrounds—Oakland, Calif.—The city is considering spending $81,000 for playground improvement.

✚**Mausoleum**—Riverside, Calif.—The Granite Mausoleum Co., 810 South Flower St., Los Angeles, has had plans prepared for a community mausoleum to be erected in Olivewood Cemetery, Riverside. The structure will cost $85,000. The general construction work will be under the supervision of J. A. Mathis, 336 West 31st St., Los Angeles, vice-pres. of the company. The grante work will be done by BLY BROS. & McGILLARD. C. E. Bly is Treas. of the company, and Fred E. Pierce of Pierce Bros., undertakers, is Pres.

Pier Work—San Francisco, Calif.—The lowest bid submitted to the Harbor Commission, Aug. 27, for reconstructing Pier 23, was that of Hyde, Hayes & Co., San Francisco, at $10,865.

Breakwater Extension—Goderich, Ont.—Bids will be received until Sept. 11, by R. C. Desrochers, Secy. Dept. Pub. Wks., Ottawa, Ont., for constructing an extension to southwest breakwater, Goderich.

Drainage—Minto, Ont.—Bids will be received until Sept. 14, by W. D. McLellan, Harriston, Ont., for six miles of drainage work at Minto. Plans may be seen at the office of Mr. McLellan or at the office of C. D. Bowman, West Montrose, Ont.

✚**Wire**—Ottawa, Ont.—The STEEL CO. OF CANADA, LTD., Montreal, Que., has been awarded the contract by the Department of Public Works, Ottawa, for 270,000 lb. of telegraph wire, delivered at Montreal, Que., and 342,000 lb. delivered at Vancouver, B. C.

✚**Cement**—Winnipeg, Man.—The city has awarded the contract to the CANADA CEMENT CO., LTD., Herald Bldg., Montreal, Que., for from 20,000 to 30,000 bbl. of cement, at $2.40 per bbl.

✚**Tunnel**—Juarez, Mexico—The Mexico Northwestern Ry. Co. has awarded the contract to WILLIAM ORR, El Paso, Tex., for reconstructing the Cumbra Tunnel.

BUILDINGS

Fall River, Mass.—Competitive plans will be received by the City Council, until Sept. 14, for constructing a police station on Bedford St. James H. Kay is Mayor.

Arlington, Mass.—The following bids have been received for the construction of the high school: Light, Heat and Power Corporation, $156,530; F. C. Alexander, $157,940; A. M. Gilbert, $159,950; Central Building Co., Worcerter, $162,400; Patrick Rich, $164,500; William Crane, Cambridge, $165,977; C. S. Sunningham & Sons Construction Co., $166,576; Marr Bros. & Stewart Co., $166,877; John W. Duff, Inc., $169,953; J. E. Locatelli Co., $171,111; Woodbury & Leighton Co., $173,415; E. T. Wilson, $176,000; J. Slotuck, Chelsea, $182,441. Noted April 23.

Holyoke, Mass.—Plans are being prepared by John W. Donahue, Springfield, Mass., for a building for the hospital of the Sisters of Providence, at Northampton St. and Westfield Road. The building will be three stories, of brick, and is estimated to cost $275,000.

Springfield, Mass.—Bliss & Lavalle, Archs., Springfield, are preparing plans for a three-story brick school in West Springfield.

✚**Springfield, Mass.**—The "Woman's Shop" has awarded a contract to the CASPER RANGER CO., Holyoke, Mass., for the erection of a five-story business block on Main St., to cost $75,000. S. A. Cohen is Pres.

Providence, R. I.—The Board of Education has had plans prepared for a 19-room school on Mt. Pleasant Ave. and a 16-room school on Laurel Hill Ave. Noted July 9.

Middletown, Conn.—Bids will be received by Walter P. Crabtree, Arch., 272 Main St., New Britain, until Sept. 15, for erecting the 1½-story marble bank building for the Middletown National Bank. Noted July 16.

✚**Albany, N. Y.**—The contract for rebuilding the brick and steel office building at State and Green Sts. has been awarded to the STEWART ENGINEERING CO., 17 Battery Place, New York, N. Y. W. J. Obenaus, 119 State St., Albany, is Arch.

Binghamton, N. Y.—The city has voted $233,000 in bonds for erecting two schools.

Buffalo, N. Y.—Green & Wicks, Archs., 110 Franklin St., are preparing plans for a stone residence at Delaware and Cleveland Sts. for Frederick Forman, Fidelity Trust Bldg. The estimated cost is $100,000.

✚The general contract for constructing the brick and steel passenger and freight station at the entrance to the International Bridge, for the Grand Trunk Ry. has been awarded to METZ BROS., Builders Exchange, at about $100,000.

★**Ithaca, N. Y.**—(Official)—See item under Light, Heat and Power.

New York, N. Y.—(Borough of Manhattan)—Schwartz & Gross, 347 Fifth Ave., have completed plans for a 12-story brick apartment at West End Ave. and 96th St. for the Essie Construction Co., 355 West End Ave. The building will cost about $600,000.

(Borough of Bronx)—Samuel Katz, 1 Madison Ave., is preparing plans for a five-story apartment, 105x105 ft., at University and Merriam Aves., for the Sonwill Holding Co., 1029 East 63d St. Nathan Wilson is Pres. The cost is about $100,000.

(Borough of Brooklyn)—Cohn Bros., 363 Stone Ave., are preparing plans for a six-story tenement, 50x82 ft., on South Third St. near Rodney St., for the Armour Construction Co., 135 Henry St. The cost is about $45,000.

Shampan & Shampan, 772 Broadway, have completed plans for two four-story tenements, 50x92 ft. on Prospect Place, for Levy Bros. Realty Co., 5 Beekman St. Jacob Levy is Pres. The buildings will cost about $85,000.

Millville, N. J.—Arnold H. Moses, 136 South Fourth St., Philadelphia, Penn., has completed plans for a two-story school for the Board of Education, to cost about $80,000.

+West Hoboken, N. J.—(Official)—The contract for constructing the high-school has been awarded by the Board of Education to the KELLY CONSTRUCTION CO., Yonkers, N. Y. Ernest Sibley, Edgewood Lane and Bluff Road, Palisade, prepared the plans. Noted Aug. 6.

+Allentown, Penn.—The contract for erecting the three-story and basement school at 17th and Turner Sts. has been awarded to GEORGE H. HARDNEN, Allentown, at $274,-847. Bids were opened Aug. 26.

+Philadelphia, Penn.—The contract for the construction of a three-story building at 1312 North Broad St., for the Loyal Order of Moose has been awarded to STACY REEVES & SONS, Philadelphia, at about $144,000.

+Warren, Penn.—The contract for building the two-story addition to the high school has been awarded to WILLIAM R. LAVERY & SON, Warren, at $51,850.

Cumberland, Md.—It is reported that bids will be received by Charles M. Anderson, Arch., 324 North Charles St., Baltimore, for erecting the five-story hotel for the Cumberland Hotel Association. The estimated cost is $350,000. Noted July 30.

+Frederick, Md.—LLOYD C. CULLER, Frederick, has been awarded the contract for the construction of a dormitory for Hood College, Frederick. The building will be four stories, 50x150 ft., and will cost about $60,000. John B. Hamme, York, Penn., is Arch.

+Towson, Md.—The contract for erecting the dormitories at the Normal School has been awarded to EDWARD BRADY & SONS, Baltimore, at $138,000. Parker, Thomas & Rice, Baltimore, are the Archs. Noted Mar. 5.

Washington, D. C.—J. H. de Sibour, Hibbs Bldg., is preparing plans for a six-story apartment at 18th St. and Massachusetts Ave., N. W., to cost about $400,000. Bids for the work will be called about Jan. 1, 1915.

+Keyser, W. Va.—The contract for the construction of a dormitory for the Preparatory School of the West Virginia University at Keyser, has been awarded to SHRAKE SONS & CO., New Matamoras, Ohio, at about $40,000.

Martinsburg, W. Va.—Plans are being prepared by C. C. Compton, Donora, Penn., for the construction of a five-story, 34x150-ft. office and apartment building for O. M. Ramsey & Co. Estimated cost, $50,000.

Parkersburg, W. Va.—Bids will be received by the Citizens Building Association, 214 Fifth St., until Sept. 15, for erecting a Masonic Temple. W. T. Rittenhouse is Secy.

+Pensacola, Fla.—The contract for erecting the hospital for the Sisters of Charity, on North 12th St., has been awarded to EVANS BROS. CONSTRUCTION CO., Birmingham, Ala., at about $300,000. Noted April 30.

+St. Petersburg, Fla.—The contract for the erection of the depot for the Atlantic Coast Line Ry. has been awarded to E. W. PARKER, Tampa, at $70,000.

+Tampa, Fla.—The contract for erecting the four-story reinforced concrete and brick building for the Telephone Co. has been awarded to AULICK, BATES & HUDNALL CONTRACTING CO., Tampa, at about $100,000. Monfoey & Elliott, Tampa, are the Archs.

+Mobile, Ala.—The Southern Ry. Co. has awarded the contract for freight stations, warehouses and office building at Mobile to HANCOCK & HANCOCK, Mobile.

+Laurel, Miss.—The contract for erecting the Y. M. C. A. building has been awarded to W. M. MORRIS, Laurel, at about $60,000. Noted Mar. 26.

+Louisville, Ky.—Contracts for the addition to the Duncan St. school have been awarded as follows: General construction, THOMAS & WHITTON, INC., at $47,218, heating and ventilating, H. NETHERTON & CO.

+The contract for the erection of the theater for the Fourth Ave. Amusement Co., has been awarded to GEORGE ALT & CO., 836 Logan St., Louisville, Ky., at $70,000.

Cincinnati, Ohio—E. and H. Hart have secured an option on a site in Norwood, where a $150,000 theater will be erected. J. McAlfrick, Boston, Mass., is the Arch.

Cleveland, Ohio—The plans for the eight-story building of the Belmont Building Co. have been completed. The estimated cost is $100,000. E. F. Gibbons, 1900 Euclid Ave., is the Arch. Noted Aug. 13.

The East Ohio Gas Co. has awarded the contract for the construction of a six-story office building, to JAMES L. STUART, Illuminating Bldg. The estimated cost is $700,000.

Cleveland, Ohio—The Tyroler Realty Co. has had plans prepared and will erect a six-story, 80x160-ft. building on Euclid Ave. and East Third St. The estimated cost is $100,-000. Starett & Van Vleck, New York, N. Y., are the Archs.

Niles, Ohio—Citizens will vote Sept. 5, on $100,000 bond issue to purchase site for McKinley memorial. The building will cost $200,000, and a statue to be placed in front of the building will cost $10,000.

Willoughby, Ohio—The Board of Education is having plans prepared for a high school to cost about $100,000. Frank C. Warner, Hippodrome Bldg., Cleveland, is the Arch.

+Youngstown, Ohio—THE IRON CITY LUMBER CO. has been awarded the contract for the erection of the high school at $107,590.

Indianapolis, Ind.—The contract for the construction of a school at Rochester and Walnut Sts. has been awarded to the Schlegel & Roehm Co., Indianapolis. The estimated cost is $42,864.

Detroit, Mich.—The Jacob-Nicol Realty Co. has had plans prepared for the Gratiot Central Market Bldg., to be erected on Gratiot Ave. The estimated cost is $100,000. Smith, Hinchman & Grylls, Detroit, are the Archs.

+Grand Rapids, Mich.—The contract for the erection of the Masonic Temple has been awarded to CHARLES HOERTZ & SON, Grand Rapids, at $244,000. Noted May 21 and Aug. 6.

+Alton, Ill.—The following contracts have been awarded for work on the Alton State Hospital: General contract for erecting administration building, two receiving cottages and cottage for untidy females, A. W. STOOLMAN, Champaign, at $229,274; general contract for nurses' home, A. W. STOOLMAN, at $67,395; heating and plumbing in all buildings, JACKSONVILLE PLUMBING & HEATING CO., at $36,354.

Decatur, Ill.—The Finn & Heinman Amusement Co., Chicago, has secured a site and will erect a theater to cost $150,000.

Milwaukee, Wis.—C. J. Pinney, Supt. Public Bldgs., is preparing plans for an isolation hospital to be erected at 14th Ave. and Mitchell St. The estimated cost is $100,000.

+Brainerd, Minn.—The contract for the erection of the city hall has been awarded to the HODGIN CONSTRUCTION CO., at $75,000.

Minneapolis, Minn.—St. Stephens R. C. Church plans to build a three-story brick parochial school at Clinton Ave. and 22d St. The estimated cost is $80,000.

Mitchell, S. D.—The Commercial Club has decided to build a corn palace for next year. Plans are now under consideration. The estimated cost will be about $90,000. T. J. Morgans is the Secy.

+Sioux Falls, S. D.—The Security National Bank has awarded the contract for the construction of its building to the HOLCOMBE CONSTRUCTION CO., Oklahoma City, Okla., at $161,000.

+Rock Springs, Wyo.—The contract for the construction of the high school has been awarded to E. H. COWLEY, Denver, Colo. The estimated cost is $55,855.

+Glasgow, Mont.—The contract for the erection of the high school has been awarded to LEIGHLAND KLEPPE & CO., Great Falls, at $45,000.

Great Falls, Mont.—The Knights of Columbus have purchased a site and will erect a home. The estimated cost is $50,000.

Tentative plans have been prepared for an addition to the Deaconess' Hospital. The estimated cost is $75,000.

+Helena, Mont.—The Helena Investment Co. has awarded the contract for the construction of its four-story office building, to JACOBY & SONS. The estimated cost is $79,000.

Springfield, Mo.—It is reported that bids will be received until Sept. 25, by Opel & Torbitt, Archs., for the construction of a five-story, 86x120-ft. department store.

El Paso, Tex.—The Hendricks Sanatorium Co. has had plans prepared for a sanatorium which will cost about $75,000.

Houston, Tex.—The Western Electric Co. is having plans prepared for the erection of a building at Commerce and Jackson St. Estimated cost about $70,000.

San Antonio, Tex.—(Official)—A. Caswell Ellis of the School Board,S an Antonio, announces that bids will be received by the School Board until noon, Sept. 16, for constructing the manual arts high school at an estimated cost of $80,000. L. M. J. Dieltmann, 806 East Commerce St., San Antonio, is the Arch.

Waco, Tex.—W. T. Watt plans to erect a six-story hotel and office building, to cost about $600,000.

+Seattle, Wash.—The PUGET SOUND BRIDGE & DREDGING CO., general contractors for the King County Courthouse, has awarded the contract for roofing and interior metal trim, tothe SEATTLE CORNICE WORKS, at $175,000. Noted Apr. 2, May 21, June 18.

Tacoma, Wash.—E. F. Champney, Arch., Seattle, has been commissioned to prepare plans for a four-story building for the Elks Club. The estimated cost is $100,000. Noted July 30, and Sept. 3.

+Eugene, Ore.—The contract for the erection of the new high school has been awarded to A. C. APPLEWHITE, Eugene. The estimated cost is $110,000. Noted June 4.

La Grande, Ore.—The plans for the Elks Club are nearing completion. The building will be three-stories and will cost $50,000. Houghtaling & Dougan, Henry Bldg., Portland, are the Acrhs. Noted July 2.

Portland, Ore.—Jacobberger & Smith, Archs., Bd. Trade Bldg., are preparing plans for a Roman Catholic church and school to be erected at Couch and Davis St. The estimated cost is about $200,000.

The First National and Security Savings & Trust banks are having plans prepared for a building to cost $400,000. Shepley, Rutan & Coolidge, Boston, Mass., are the Archs. Noted July 30.

Fresno, Cal.—Eugene Mathewson, Arch., Forsyth Bldg., is preparing plans for the Washington School, to be erected at a cost of $95,000.

Los Angeles, Calif.—Noonan & Richards, Archs., have completed plans for a mercantile building to be erected at Grand Ave. and Seventh St. The estimated cost is $1,000,000. J. W. Robinson is the owner.

G. B. McDougall, State Arch., is preparing plans for a State Hospital for the Insane. The estimated cost is $150,000.

✝**Roseville, Calif.**—The Board of School Trustees has awarded the contract for the construction of the Roseville high school to H. A. KLYCE, San Francisco, Calif., at $41,900.

✝**Toronto, Ont.**—The following contracts have been awarded for work on the Registry Office Building by C. S. Cobb, Arch.: Steel, TORONTO STRUCTURAL STEEL CO., at $42,600; carpentry, JAMES A. BERRIDGE, at $19,984.

✝**Toronto, Ont.**—The Excelsior Life Association, Adelaide and Toronto Sts., has awarded the contract for the construction of its office building to the PETER LYALL CONSTRUCTION CO., Montreal. The estimated cost is $500,000.

Edmonton, Alta.—J. H. Gartby plans to build a seven-story brick and terra cotta office building on Jasper Ave. The estimated cost is $200,000. Van Siclen & Macomber, Alexander Bldg., are the Archs.

Southern California Notes—Business conditions are beginning to pick up here, especially in the building line, and a general increase in the cost of materials is predicted.

The Exposition buildings at San Diego are rapidly nearing completion and make a very good showing. The exhibit will be in the nature of a "back-to-land movement," and the arrangements already made insure an interesting visit to the fair.

The reclamation of about 60 acres of water front along San Diego harbor, together with the municipal docks, is progressing rapidly, and plans are now being considered for extending the area of reclamation for a considerable distance to the north of the present contract.

The Los Angeles harbor improvements show considerable activity and will soon be in a position to handle the trade that will come from the Panama Canal.

Engineering Work in British Columbia

In British Columbia, as elsewhere in Canada, business was suffering a depression prior to the declaration of war in Europe. The war so precipitated matters that work, other than that which is absolutely essential, is at a standstill.

Notwithstanding assurances from the British Government to the effect that practically all shipping on the high seas is now safe, confidence has not been restored, and will not be until more definite information is received.

Remote as this may seem from the business situation in British Columbia, it is nevertheless considered most important.

The present situation might be termed hesitation rather than depression, for there is much important construction in abeyance. Underlying the untoward conditions, there is a current of optimism which looks for and forecasts a speedy resumption of business and a return to the nearer normal just as soon as money becomes easier through confidence restored.

It should be remembered that for big works—railway development and the like—British Columbia depends to a large extent upon London capital, which is just now impossible to secure.

Municipal and building activities should not be greatly hindered, for the backbone of British Columbia industry—fishing, lumber, mining, etc.—is, generally speaking, in a flourishing condition. Well established industries did not suffer greatly from the financial depression and should be a great aid to rapid adjustment.

The Government of the Dominion of Canada has stated that public works will proceed according to schedule, but the Provincial Government here seems disposed to curtail expenses. The science building of the British Columbia University, a government institution, is the first large contract award to be postponed indefinitely by them on account of the war.

The city of Vancouver has similarly intimated that it will do no more than necessary work. The local press is, at the time of writing, carrying the city's advertisement cancelling the call for tenders for the construction of sidewalks, and permitting contractors to withdraw bids already made.

On the other hand, the Board of Trade of the city of Vancouver, an influential body of British Columbia business men, intends to at once bring pressure to bear upon municipal and provincial governments to the end that public works will be carried on as extensively as possible. It is thought that this may result in activities which will insure more of this work being done than in each of the last two winters.

At New Westminster, work is progressing on the harbor improvement scheme, and it is expected that the new wharf of the city on Front St. will be finished in about three weeks. The total cost of this work, including the cost of the construction plant, is estimated at $19,283. Work done last month cost $30,000, leaving the sum of $180,716 to be still expended out of the half million dollar bylaw.

The award of contracts for the proposed soap works to be established by the Royal Crown Soap Works, Ltd., of Vancouver, B. C. (closely identified with Lever Bros., Port Sunlight, England), on the south shore of Burrard Inlet, near the Second Narrows, has been deferred on account of the war situation. Bids were closed nearly two weeks ago. The enterprise was to have been financed in London and the plans called for the expenditure of $250,000.

It is affirmed that there will be no cessation of construction on the new $5,000,000 plant of the Dominion Shipbuilding and Drydock Co., Ltd., at North Vancouver, B. C.

The Burrard Inlet Tunnel & Bridge Co., Ltd., has had no meeting since the war broke out. Plans for its $2,000,000 bridge have been taken under advisement and are now being adjudicated upon by Ralph Modjeski, at Chicago, Ill. Contracts will probably be let later. In the "Engineering News" of July 16, 1914, it was stated in error that this contract had been let to the Foundation Co.

The British Columbia Steel Co., Ltd., has completed plans for the establishment of a $200,000 steel plant at Bridgeport, B. C., and the stock is now on the market. The company states that it will shortly commence building operations. The head office of the company is at Vancouver, B. C., nd many prominent business men of the city, including Francis Leighton, general manager of the Vancouver Engineering Works, Ltd., are named as provisional directors.

Construction on the Pacific Great Eastern Ry. has not slowed up in the least and satisfactory progress reports are being continually published.

At a special meeting of the South Vancouver, B. C., Council, a communication was read from the Voters' League protesting against the Council's action in letting the contract for Victoria Road pavement to the Columbia Bithulithic Co., claiming that the work could be done cheaper by day labor. The Reeve replied that the company's tender was a good deal lower than the engineers' estimate.

At Port Moody, B. C., the street improvement work on John and Clark Sts. was ordered proceeded with at the last meeting of the Council. Work will cost $45,000 and will be done as a local improvement. A letter was also read from a Toledo, Ohio, firm of bond buyers confirming the recent order of 92 net for water loan debentures of $80,000. It is therefore expected that the water system from Noon's Creek will be started at an early date.

The latest information available from the lumber mills shows that they expect to have to reduce their output on account of the temporary stagnation of the market.

Building has practically ceased, but in Vancouver city alone, buildings are projected none of which will cost less than $40,000, and aggregating in value over $12,000,000. Building in outlying districts is similarly situated. It is therefore expected that as soon as confidence is restored, building will proceed on a big scale.

The Prince Rupert, B. C., hydroelectric plant has been held up, due to the purchase of penstocks in Germany and their consequent non-arrival on account of hostilities.

A Royal Commission recently began hearings on trade conditions in Canada in connection with trade commissions in other parts of the British Empire. Its activities will not be discontinued, but on account of the outbreak of war it will limit its hearings for the present to the Maritime Provinces, in accordance wtih instructions received from London.

The wearing off of the novelty of the war will result in a partial resumption of business activity.

Permanent Trade Exposition in South America—The proposition for permanent expositions of American manufacturers in South American capitals is growing in favor throughout the United States.

Word was received in New York this week that Baltimore merchants are arranging to open an exhibition of their own in some capital.

Pittsburgh according to reports, will spend a million dollars in showing the Southern republics what it can do in the way of providing iron and steel and other manufactures.

Exporters, associations and chambers of commerce are receiving letters from merchants and manufacturers all over the country, urging that everybody combine in the permanent expositions.

The following statement was authorized this week by the National City Bank:

"Permanent exhibitions of American manufactured articles maintained at South American centers would undoubtedly prove of large value in the development of foreign trade with South America. The Commercial Association of the city of Chicago has maintained an exhibit at Buenos Aires for the last three years with a representative in charge of the exhibit.

"It would seem that a coöperative effort on the part of New York and New England manufacturers along these lines would be very beneficial.

"An effective plan for establishing such an exhibition would be for the chambers of commerce of the cities interested in developing the South American markets to combine to provide competent representatives and publicity agents at joint expense, meeting the expense in proportion to the number of members of the respective associations interested in the South American field. The individual exhibitors should be charged not to exceed $100 a year, and for this amount would receive a certain number of square feet for their exhibit.

"The general cost to the Association of Commerce of the City of Chicago for the exhibit maintained at Buenos Aires was in the neighborhood of $50,000 for the three and a half years that the exhibit has been there, and the individual cost to the exhibitors has been $100 a year for approximately 30 sq.ft. of space. In New York and the New England States there ought to be at least five hundred firms which would be willing to maintain an exhibit. The expense for each chamber of commerce would by coöperative effort be reduced to what would not amount to more than an ordinary advertising appropriation.

"The exhibit would serve as a center for American activities, where purchasers would be invited to inspect the goods, competent salesmen would represent the various lines, and in the case of machinery, skilled mechanics and demonstrators could be employed to point out the talking points in favor of American machinery.

"Where a number of competing firms should become members of the exhibit, an arrangement could be made for pooling the sales and dividing the profits.

"The purpose of the exhibit would be to introduce American goods, to create a demand for them and to demonstrate their superiority.

"Particular lines of goods could be featured on certain exhibition days, which days could be announced with appropriate advertising and circulars, and every effort could be made to keep the lines of American goods filled and thoroughly up to date. An exhibit of this kind would be one of the most practical means of directing the attention of South Americans to American products."

John Barrett, director of the Pan-American Union, summed up the commercial possibilities of trade with South America recently. The 20 South American countries in 1913 conducted a foreign commerce valued at $2,870,188,575. The imports were valued at $1,304,261,763, and the exports took up the remainder. This gave the combined countries a trade balance with the world of $261,655,049.

The American Manufacturers Export Association has sent cut a "Warning to Exporters." It tells them to proceed very carefully in going into South American trade. They should acquire first an accurate and complete knowledge of conditions and requirements essential to the successful conduct of foreign trade.

Contracts to Be Let

Bids received until Oct. 22, 1914.

Market Street Bridge

NOTICE TO BRIDGE CONTRACTORS.

Chattanooga, Tennessee.
August 31st, 1914.

Sealed proposals directed to the undersigned, and endorsed on the outside of the envelope "MARKET STREET BRIDGE BID," will be received at the Office of the County Judge, County Court House, until 10.00 A.M., October 22nd, 1914, for the construction of a bridge at Market Street across the Tennessee River at Chattanooga, Tennessee. The bridge will be fifty (50) feet in width by approximately 2050 Ft. in length and will consist of:

(a) Nine (9) reinforced concrete girder spans, forty (40) Ft. each,

(b) Two (2) reinforced concrete arches, each (165) One hundred and sixty five ft. span,

(c) Four (4) reinforced concrete arches, each (180) one hundred and eighty ft span,

(d) One (1) three hundred (300) ft. steel span of the SCHERZER ROLLING LIFT DOUBLE LEAF BASCULE TYPE.

Bids for the construction of the above bridge, will be asked for as follows:

(a) On the masonry and the concrete portion of the bridge complete,

(b) On the steel portion of the Scherzer Rolling Lift Double Leaf Bascule complete with machinery installed and ready for use,

(c) Same as (b), except the machinery omitted.

(d) On the masonry and reinforced concrete and steel portion of the bridge including the Scherzer Rolling Lift Double Leaf Bascule complete.

The Tennessee River Bridge Committee reserves the right to let the reinforced concrete portion and the steel portion separately or to let the entire work to the lowest responsible bidder on his bid for the construction of the bridge complete.

The bonds for the construction of the above mentioned bridge at Market Street, amounting to Five Hundred Thousand ($500,000.00) Dollars have been issued and sold at a premium. The entire proceeds of the bond sale have been deposited in local banks, and is available for expenditure on the construction of this bridge.

Blank forms for proposals, contract and bond, plans and specifications can be seen at the Office of the County Engineer, County Court House, Chattanooga, Tennessee, and will be furnished on application on or after September 28th, 1914, at the Office of Mr. B. H. Davis, Consulting Engineer, Whitehall Bldg., New York City, N. Y. Said application, however, shall be accompanied by a deposit of Fifty ($50.00) Dollars which will be required for each set of plans and specifications for the masonry or reinforced concrete portion of the bridge and Twenty Five ($25.00) Dollars which will also be required for each set of plans and specifications of the steel portion of the bridge, i.e. Scherzer Rolling Lift Double Leaf Bascule. The above deposits for plans and specifications will be returned to all contractors submitting a bid upon the return of the above mentioned plans and specifications. The successful contractor will be required to execute an approved Surety Company Bond, for Sixty (60) % of the estimated value of the work as determined from the bids, to assure the faithful performance of the contract, and the payment for all labor and material, which may be used therein. Monthly estimates will be made of the work done and of materials of construction delivered at sight of bridge when accompanied by receipts showing the contractor has paid for this material, and ninety (90) % of such estimates will be paid to the contractor on the 10th of each and every month.

Core borings have been taken at all piers and abutments and contractors are respectfully urged to examine the cores and samples of material to be excavated and to familiarize themselves with the site and local conditions before submitting their proposals.

The right is reserved to reject any and all bids.

TENNESSEE RIVER BRIDGE COMMITTEE.
Theo. F. King, Chairman,
L. B. Bryan, Secretary,
J. B. Ragon,
W. Cummings,
H. F. Lawrence.

Bids received until Sept. 28, 1914.

Construction, Structural Steel, Heating, Plumbing, etc.

NOTICE TO CONTRACTORS. Sealed proposals for construction, structural steel, heating, plumbing and electric work for the Drill Hall, Cornell University, Ithaca, N. Y., will be received by the Hon. E. L. Williams, Cornell University, Ithaca, N. Y., until Monday, Sept. 28, 1914, 4 P.M., when they will be opened and read publicly. Bids will be received for each division of the work separately and no combination of bids will be considered. Proposals shall be accompanied by certified check in the sum of five per cent. of the amount of bids, and the contractors to whom the awards are made will be required to furnish surety company bonds in the sum of fifty per centum of the amount of contract, within thirty days after official notice of award of contract, and in accordance with the terms of the specifications Nos. 1965, 1966, 1967 and 1968. The right is reserved to reject any or all bids. Drawings and specifications may be consulted and blank forms of proposals obtained at the office of the Treasurer, Cornell University, at the Department of Architecture, Capitol, Albany, N. Y., at the New York Office of the Department of Architecture, Room 1224 Woolworth Building, New York City. Plans nd specifications will be ready Tuesday, Sept. 8, 1914. In applying for plans and specifications each bidder must state which part of the work, (such as construction, structural steel, heating, plumbing and electric work) he intends to bid on. Drawings and specifications may be obtained at the Department of Architecture, Capitol, Albany, N. Y., upon deposit of certified check in the sum of $15.00 for construction work or structural steel, nd in the sum of $10.00 for each set of heating, plumbing or electric plans, which check will be returned if plans and specifications are sent back in good order to the State Architect, Lewis F. Pilcher, Capitol, Albany, N. Y.

Bids received until October 15, 1914.

Proposals for Steel Highway Bridge

Department of Public Works, Dominican Republic, Santo Domingo, Sept. 1, 1914.

Sealed proposals will be received at the office of the Director General of Public Works, Santo Domingo, R. D., until 10 o'clock a. m., October 15, 1914, for furnishing all labor and materials for the erection of a steel highway bridge across the Ozama River at Santo Domingo City, Dominican Republic, in strict accordance with the plans and specifications which may be examined at the office of the Director General of Public Works in Santo Domingo City or which may be had by making application in writing to the Strauss Bascule Bridge Co., Chicago, Ill., Consulting Engineers.

Bids received until Sept. 14, 1914.

Garbage Incinerator

NOTICE TO CONTRACTORS

Charlotte, N. C., Aug. 21, 1914.

Sealed bids are asked for and will be received until 8:30 P. M., Monday, 14th, September, 1914, by the City Clerk of Charlotte, N. C., for the construction of a Garbage Incinerator, Building and 100 ft. by 48 in. Radial Brick Stack, each or all.

Copies of the Plans and Specifications, proposal forms, contract form, bond, etc., may be seen in the Office of the City Clerk, at the City Hall, Charlotte, N. C., or may be obtained from him by prospective bidders upon depositing $3.00, which sum will be refunded upon return of the Plans and Specifications in good condition. A certified check for at least 5% of the amount of the bid must accompany each bid.

A. H. WEARN,
City Clerk.